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ctactggaat cctggagatg aggtggagtg gtgtcggaat cgacgagtgg tggaggaatg   240

aacagttttg ggtcatcggt ggtgtctcgg cacatctctt tgctgttttc caaggcttgc   300

tcaaagtgct tgctggaatt gacaccaact tcactgtcac ctccaaggcc tcggatgaag   360

acggagactt tgccgaacta tacatgttca aatggaccac ccttcttatt cctccaacaa   420

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089c09d1

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caaagttcgg ttctagtttg ttctcttatg catcttctat aaacaactgc acataactta   180

aacataacgg ctacaaaaca acaattataa ttacaaccca aaacacaata cactacactt   240

gtcttttggt cttctagcag ttaatgccac actcctcaac atcaggacca gtgacccttg   300

tggtgaatgg atcaattcta acccacaaga gtgagaaaat ggatgcaagc agaacggacc   360

acaccaccac aatggttggt gttctgtttt ggcgccccat gagacctttg aagaaagggt   420

atagatggat gatcacccaa aatgcaaaga aaagcttacc aaagagggggt ccccaagatt   480

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089c10a1

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caagtgattc tgatagtgat agttcctcag cctctgggtc tgatgcaggg tcaccaaaaa   180

cctgattcat tctgtcagat ctcagatatt taaagattag atagtgatat gcaatgtttg   240

gctagttggt tttttcccg catccagatt tagctgttgg tttgtaaagg aagtattctc   300

aaggccacct atgatcctac tgatgcagta tggcggggtc cttttatcgc aactgttgca   360

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<210>   7834
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089c10d1

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aacctagttt catcccatac tcgaatgtca tgcgcttcga tatcgcctgg cactctgttg   180

acattcacca tcagagacta acctatttcg ctacaaagag ctaccataaa ttcaaggtcc   240

ccaaggttcc ctgatgcgtt catcacgtgg aacacattca atgcttgcta ccctgttgca   300

gaaacacctg gcctacaaac tgacaaccca atctctcata aaatgcttgt aacttctgac   360

agcaaaccca ctgtatcctt ggcacacagc tcaaggctca caccctcgct gactc   415

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<212>   DNA
<213>   Glycine max

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tttgtttttta ttaccttact tacacctctc tatggtctag accaaataaa aataaatgtc   180

tggaagtgca gatctgcagc tacaagtgtg cttaagctga cactctccga gtggagaaca   240

ttcacaagtg agtgaggcta atggatcttg aatccagcaa gtgttgggac acatcaaagg   300

actcttggaa gacaattctg ctcttgtgct accaaagcct tggtgtggaa tatggggact   360

tgagcatttt ttcattgtat gtttacacca gcacatttgt tgaagatatt gaacattcta   420

agaccaagaa gagattttgg ggccctttct ttgttttttg actctgacac t            471
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<210> 7836
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<212> DNA
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<223> Clone ID: jC-gmfl02220089c11d1

<400> 7836

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gttggaaaca ttcactgccg atgtgcatag agcaaagaac aggccactga atgcgccctt   180

aatagcccct taaaccatcg ctacctttag ataagccaac gagagaaaaa cgggccataa   240

cggttgagtc gagcaatgga tctgccgggt gccgccaggc accaaaaatg cctgttgcca   300

ctgcagacga ccagaccact gccatggcca cggcttaaaa agcatgtgcc ctctggagga   360

gatgttctgc actcacttag ggctccatgt tggtggagac tgctagcatc cctccaaggc   420

atca                                                                 424
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089c12a1

<400> 7837

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ctggttgggg tcctggtggt ggaggacctg gcgggccagg atggggtcct gggcctggtg 240

ggccaggctg gggtccaggc ctgggtggac ctggcttctt tgggcctggc ggacctggct 300

tctttgggcc tgatgggttt tttggtggat gtgcaaatgg tttatgcagc cttgtatctt 360

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tggcaccttc tttctgataa caggaacatt atcactgtta ttattattaa tttggattag 480

aagagttgaa gatttacttg ctgccgctca tgact 515

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<211>   387
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<223>   Clone ID: jC-gmfl02220089c12d1

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caatgaaaga gcacgtacac aaactggcag ttattggagc aatggtcaca cactggcaca 180

cttatccagg tgtgagtaac cgtcatactc cagtaaagct aacatacaca tctctccgtc 240

attctgttga tgacatcatg acggaggatg caagtctgaa ccatctatac attgtcggag 300

tatccaacga cagctcatgc agtatagtca tgaatattct aggctgtact aaccattggc 360

acttccagca tatatcccat catgccc 387

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gaacatcctg cttttttctt atccgtatga agaattctat cctcaccaca ctaaaaccct 180

cttaactgta acttcatgtg atgacgattc taatcgggag acatacttga ccttagaatt 240

tagaagttca tatgcgtaca aacccactgg aagggaaaa aaccatcata gagtaagatc 300

agggattgtc ataagaacca tcgtttctac tctagaacac tagagaaagc acattcttct 360

attggaaaag ctaacgcacc cttcctaaag ggctgttcga gaaatccagg attccttact 420

tcgcatgttc aggtgctggt ctaagctccc aatgaaggcc tgagcttttg agaagagctc 480

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<210>   7840
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220089d02d1

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tctggtgatg acactaaaca ggcaacatac cagacgttag gactcatatg atcacatggg 180

cacaaaccca ttcgaaggcg aaaaaagcat catgcaatag aatcatgggt actcataaga 240

accatagatg ataatccaga acacgataga aatcacatta tgccattgga acagctaatg 300

cgccctgcct aataggctca aggaccagcc caagattcct catttcgaat ttctacatgc 360

ttgcagaagt aacgaacgaa ggcctcagcc tccggaacga gctattgccc atgaacggct 420

ccaagctcac aggctgcttc aagctcttca tccatgaac 459

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<223>   Clone ID: jC-gmfl02220089d03a1

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3505

agcattcaca agatcacaag aggggcatct gcgggaaaag tatctggtgt ttttgaggcc   180

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cctgaatatc gtgaaagttt agctactggc agtccttaca acttttcaag taccattaac   300

acggcttcca atattggaac tggatcgacg gaatcatctg aaagcaggca cattcaggga   360

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tataagggaa caaaattaca tatgaacaac aaagatgacc atgaaacaa aatcagcaaa   180

gaacccttga aacccacaat gatgctcatt agcacaagga aactgcaaag tgccacattg   240

accattcaca gctagccaaa attttaagct tcagttaggt cattctctaa agatgtagga   300

tggtagcagt actccatgca gaaatattag gaaaataacg gtaacaatt aaatcagtga   360

cttcattcgg gttatgtacc ttaacttcca acaactcttg caaggctcct ctatagaaaa   420

aaattttgag ccccctttcc taccagctcc aactcctctt gcttgaacga gcaaaaa   477

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089d04a1

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catacccctca catcaggcac atctatggtc cagaccactt cgatctattc aaggatttcc   180

ctgatccatg acaaaatcga tcgtatttta cgtgcgttcc ttgccatagg gttagatggt   240

3506

atggtggcct gtggggatgg gaactggggt cgtgtcagat tgattattga ggcaatgatc   300

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gcaagttcca cacctgcacg agcttatttc gctcctttct aatgg   405

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<211>   369
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<223>   Clone ID: jC-gmfl02220089d04d1

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aataacacat atgtgcggta ttcagccaaa gcccacattg gaaaaatatg tccatcgaat   180

gagtcatgaa ccaagctgtt actgaggtgt actccaagag tgtcttgtag gggccaatcg   240

ccatcttcta actgagaatt catgacataa ctttgctgcg tgatgaaggg gagttggatc   300

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ttgatcgac   369

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tcattgcctc cgagaacttc acctgcttcg acggcatcga ggccctggtg cgcgctctta   240

caaacaaata ctccgagggc gtgcctggca accgctgcta cggcggcaat gaatacatcg   300

accagatcga aaacctctgc cgctcacgcg ccctccaagg cttgcacctc gacgcccaat   360

cctgtggcga taacgtccag ccctactccg gctccccggt caact   405

3507

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aacaccatgg cgataaaccc tatcactccc aggaaaggaa gacacatatt tcctttttct   180

acatttctgc actttgtgac gaacttgagt gacacaattt agtagaaagc ggtatggttg   240

aacctaatcc ttggacttaa tttcagatac caggaagcca ggcttgtcta acaaggcaga   300

gaacttttca acatcagctt tgagatcttc aatagccttg ttgatgacga gaccttgct   360

gaaatccttg acaagttcgc catgctcctt ctggatcttc agtgagagag tgacagcacg   420

gtgatggaac tcaccaatct gctcaaagtc tgtgtcaacc aaaccccctag aagtcatggc   480

tggggcacca                                                          490


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ctaatgaaga aggaaaagag gaagccaaat ggcagtggga aggagacttg aatgccacca   120

tacaaaaagg gttcaacaag cttttggagt ctgcaagtac tgaatcatct cttagtctca   180

tagatagtcc attacaagtg atatggcttg actcagggcg atcccaaag tcgtgcttca   240

gtaacttgaa ctctttgact gtggacggat gccaattttt aacagatgtt gtcataccct   300

tctatttact tccttttctta actaatttgg aagaattaca agtccgaaag tgtggttctg   360

tggaaagcat atttgacgtg aaaacagcta tgggagtggg agcagcagcc tttcctagac   420

ctctcccttt tccctcaaga aattgacttt aagaggctgc ccaacttgag aatgtctgga   480
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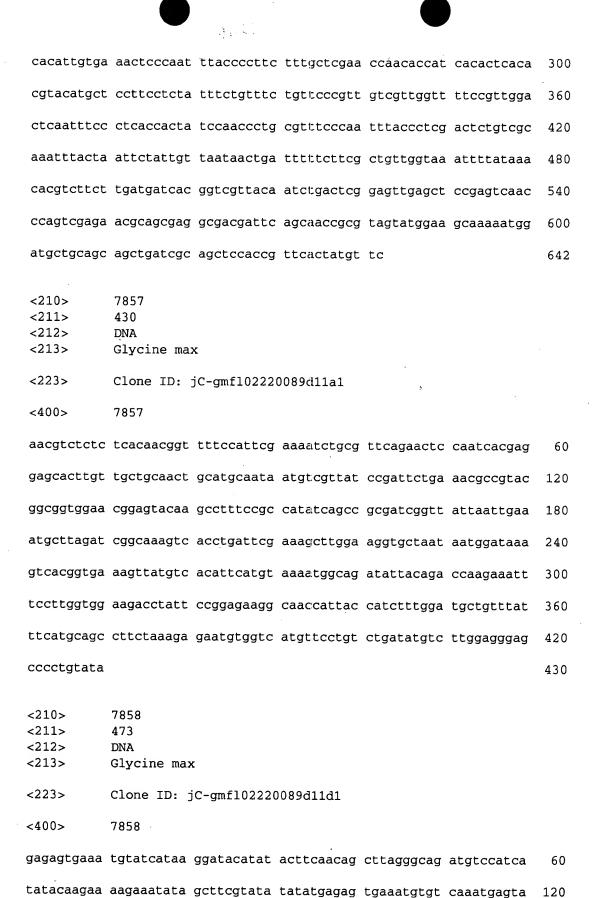
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<223>   Clone ID: jC-gmfl02220089d06d1

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gcatggcaga gttcagatca gtttccaatg ggatatgatc tctccattcg aatatcactt   180

ctaacagctt gtctgttttg actgtacctg cacacaaact ttccatcctc ttgcaatact   240

ttactgtgaa ttcctccaag gacgggaaac ttaaactccc tttgtagaac cttctcagct   300

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attcatcccc ttcctctgtt gaagacacta tctcttcaat tgaatcacac cttttatct   420

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ctaacatcct aaagcaagcg ccatggggac ctttgctaac tcaccaacac gcacaaacaa   120

agccttgctg gcggccgaca ctgctagggg cctgaatgtc ctattgctgt cc   172

<210>   7850
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<223>   Clone ID: jC-gmfl02220089d07d1

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gtagcatttt gtatactatg cctccattca gctcttactc aagctttagc aatgatactc   180

actggtgaga ctaaggggga tactgtcttt gcatactgta ggtctgtaga gcgctaacca   240

tattttctga ttccctatga ctcccactta gaaacatatg attcatatat gcacgcttgt   300

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<210>   7851
<211>   530
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<213>   Glycine max

<223>   unsure at all n locations
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cgtgaagtac acagagactg agattcagtc cgtgtacaac tatgaaacca ctgaacttgt   180

tcacgagaac aagaatggca cttatcagtg ggttgtcaag cccaaaactg tcaaatatga   240

atttaaaacc aacacccatg tccctaaact aggggtaatg cttgtggggt ggggtggaaa   300

caatggctca accctcaccg gtggtgttat tgctaaccga gagggtattt catgggcaac   360

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agttgggtct ttccaagggg aggaaatata tgccccattc agagcctgct tncaatggta   480

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aacagaaaag aggggtatgg gatatgagtt aagtttgat cacattcaac tacactatcc　180

caaaccgtta ctcttaagac tttgaacttc acttgtactc taggatcatg ttgttctcag　240

gagctaatcc aacacaagcc ctcaggatgt tttccagcat agctcgctgc tttgacaacg　300

cattcaccac tggtgtaccc ggtggaacca gagggcctt ggtcaggtaa ctaaggatgg　360

tcgcaactgg gtggaatgag tggaattttc cctcattttc agctttaaac tcgattcgag　420

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ggctgaacgc tctcaccaaa ccgggcctag ttccttcaga tactcgctct atggctctgg　180

cgcttttggg gacagcacgg ctgttacttt aactccggcg gtcggtggcg ctgcgccaac　240

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ggagaggtta acctgttcaa caatctggac　330

<210>　　　7854
<211>　　　478
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<223>　　　Clone ID: jC-gmfl02220089d09d1

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ctgtatgggc cataacatat caagagaagc ggggttccac tgatcatgaa ccgatgcaca    180

gaatcgagct acaagaacac acatgtgttt gttggggcca tttgcccatg aatctcggaa    240

caaaggtggc ttaatatcac taatgcgtgc atatttgatg ccatatgcca gggctactga    300

tttaaaaatg aattgacggg attccagaat gtaatgccaa aaactttcta tcatgcggtc    360

ctgaagaaga cagcattaac tggggacggg tcatgattgc gtgtgacgat ccagagcata    420

cgcatgaatc tgagaggctc taaaaccaag tcttttgtta atggtaccat aatggaat     478


<210>      7855
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<223>      Clone ID: jC-gmfl02220089d10a1

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ataatcgcgt tttcgcggtg aagtccgtgg attgtggaag ggggctttct ggtcatcagg    180

tggaggcgtt ggagaacgag attgggattc tgaagcgggt ggcttcgccg cacgtggtgg    240

cttatctcgg agacgatgtc acgtgcgaag gaacggcgtc gttcacgaat cttcatctgg    300

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<210>      7856
<211>      642
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089d10d1

<400>      7856

ccagtcggcg gccgcccttt ttttttttt ttacattaag aatattaaat tacacaacat     60

gaaatttta caatacaagc tgtaaatgct gaatattcct ctattcctac ccaacttttc    120

ccacccacac ccataccgac agctccaacc accacccct ccagcggtgt tactcccacc    180

caactttcct attccccgat ttacccctac agaatccgaa tattccatac cagtccccgc    240
```

```
cacattgtga aactcccaat ttaccccttc tttgctcgaa ccaacaccat cacactcaca   300

cgtacatgct ccttcctcta tttctgtttc tgttcccgtt gtcgttggtt ttccgttgga   360

ctcaatttcc ctcaccacta tccaaccctg cgtttcccaa tttaccctcg actctgtcgc   420

aaatttacta attctattgt taataactga tttttcttcg ctgttggtaa attttataaa   480

cacgtcttct tgatgatcac ggtcgttaca atctgactcg gagttgagct ccgagtcaac   540

ccagtcgaga acgcagcgag gcgacgattc agcaaccgcg tagtatggaa gcaaaaatgg   600

atgctgcagc agctgatcgc agctccaccg ttcactatgt tc                      642
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<210>   7857
<211>   430
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089d11a1

<400>   7857

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aacgtctctc tcacaacggt tttccattcg aaaatctgcg ttcagaactc caatcacgag    60

gagcacttgt tgctgcaact gcatgcaata atgtcgttat ccgattctga aacgccgtac   120

ggcggtggaa cggagtacaa gcctttccgc catatcagcc gcgatcggtt attaattgaa   180

atgcttagat cggcaaagtc acctgattcg aaagcttgga aggtgctaat aatggataaa   240

gtcacggtga aagttatgtc acattcatgt aaaatggcag atattacaga ccaagaaatt   300

tccttggtgg aagacctatt ccggagaagg caaccattac catctttgga tgctgtttat   360

ttcatgcagc cttctaaaga gaatgtggtc atgttcctgt ctgatatgtc ttggagggag   420

cccctgtata                                                          430
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<210>   7858
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089d11d1

<400>   7858

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gagagtgaaa tgtatcataa ggatacatat acttcaacag cttagggcag atgtccatca    60

tatacaagaa aagaaatata gcttcgtata tatatgagag tgaaatgtgt caaatgagta   120
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3513

cttatacttc aacagcttat accagatacc catcgcatac actcaagaaa aaatgtccta 180

cgcctatata tatatatata tatatatgac tatctgacag tggagtggcg ctttaacaaa 240

aaatttataa aacaaaaact gaaagggccc ccctgtgttc atccattttc aagagagtat 300

aaactctcta atgtctaaac aattatggat aattataatt gctacaaaag gatattatgc 360

caacatactg taattagcag tctttagaaa caagcttata tcccgaggcc attcagctgt 420

gaaacatcgc tgtcgaacaa tatctttagt tgctgaagat attgtggagg atc   473

<210>   7859
<211>   554
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089d12a1

<400>   7859

cttttccttt ctgtgacatt cagatctcag aagaaaaaaa tgaaggactc aaactccagc 60

agtagcagca acagaaccga acccattgcc caaaacatca tcaaactcat tagcaacctc 120

tgcttctccc tcttcgtctt ctctgtctta atcttcaccg tcatagccat aacctaccag 180

cccccagacc catggctcca gtccacccca gccctaacca acctcttcac ccaatcagaa 240

aacgccactt tccgaatcga ctcctccgtc ctcagaaccg gcgaagacct ctccccctcc 300

ccgcaagacc cttccctccc gccaccgccc ccctccgaac ccctcatcga tataacccaa 360

cagcaaatcg ccaattccac cgttaattcc accgtcgact ctaccgctta ctccaccgac 420

gcgcagcctn cctctctccc tgcctgcgat gaaaccctaa actgctctaa ccctcgcgtn 480

cttattgccc gtcagagatt caacctacgc gcgttcaagt ccattggctt cttcgactac 540

cagccgccga tgaa   554

<210>   7860
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089d12d1

<400>   7860

aatgagaaat gagaatggat ttagcagctt gattcaatag agaggaaaga ggggagaaag 60

3514

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ggattctctt gtatggatac aaaatcctgg ttatcaacat aaattatcaa tacaccatag    120

gaactagcat gtacaacaac aagctcatat ctaacccaat ggcatgaatc tgaaactgaa    180

tccaaaagca aggccctagt gtaccatgca ttctgaataa gcacacaaat cattcctgcc    240

aacctgatca gcatgtatta actccatcct tgcaacecttt agtcaactta tagaacgtct    300

ccacgcttgt ctttccacgg taaaagacct ctgtatccac tgcaactctc atgtacccat    360

caaactcaac aggctttcca ctgacgataa gcgtggtctc gttataccac tcgcttgcat    420

ttccccacag ctccttataa tcatcaagca aatgcacctt gtaatttgac cttaacttat    480

caaagcaatt atcataaggc tcattggtgg caatatacaa atgcctccaa ggctgaacca    540

tccatctgag ct                                                         552
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<210>    7861
<211>    379
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220089e01d1

<400>    7861
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gcaaaaatag gccatgcaac gcccctttt attaaatcgg gcatcatatt tacataccaa     60

aaatcagggg gaactccaca caatttttaaa attttcactt tacaaaaagg gcagtaattt   120

ttaaacacgt aaaccattgg attggatcca taataccgga atgaaggaaa tttaccccct    180

tctaaatttt ccgggtgact tgaaaaaact aatctttggg tcaaaaaaaa cttggtttgc    240

ttgcaagctt aaaaggaagt caacatgacc atagttttta agataaacca cttccggggg    300

ggaagggaat tccttgaggg ggggccggaa aatagttttt tttgccaaaa gatttttttcc   360

cccatagggc attcccagg                                                  379
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<210>    7862
<211>    529
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220089e02d1

<400>    7862
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gaagaaaaaa cccaagcaca gtatagcatg ggaaggtaca aaaggtcaaa tgtgggtgta     60
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catgactaca tgatttcagg tgtaaattta tttgttataa caattgaaca cacaaaaaaa   120

gtatccatat caagcatggc aacccgacat taaatctcgc taaatgtatt ttttttttcat  180

gtcgccctag gcaagactat gtgattttc aaatggaaaa taatggataa tcatcatcta    240

aaggtttcta gaagctttgg aatcaaataa cttgagacaa tgcgatttgt cttctccgta   300

ggatgaaatg catcccaaaa cacgtacttt tcggcgtctg tgcatgtaag tggattcttg   360

tcactgcaca agtagctcat ctcaaatgtt cctgtcgaac aacacgcctt ctctacaacc   420

tcaaatccat atgtggaagg ttttgtgatg atatcattga cgatggaata tgcatttgcc   480

gacaacgctt tcaaccgtgg aagctccta ttaagcttcg tgatcacat                529


<210>      7863
<211>      483
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220089e03a1

<400>      7863

ggtaaggaaa agactcacat caacattgtc gtcattggac atgtcgactc tgggaagtca   60

actaccactg gtcatttgat ctacaagctt ggaggtattg acaagcgtgt gattgagagg   120

ttcgagaagg aggctgctga gatgaacaag aggtcattca agtatgcctg ggtgcttgac   180

aagctcaagg ctgagcgcga aagaggaatt accattgata ttgctttgtg gaagtttgaa   240

accaccaagt actactgcac agtcatcgat gcccccggac atcgtgactt tatcaagaac   300

atgattactg gtacctccca ggctgattgt gctgtcctta tcattgactc caccactggt   360

ggttntgaag ctggtatttc taaggatgga cagactcgtg agcatgctct tcttgctttc   420

acccttggtg tgaagcaaat gatttgctgc tgtaacaaga tggatgccac taccccgaag   480

tac                                                                 483


<210>      7864
<211>      546
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220089e03d1
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<400>   7864

ataaaacttc gttataaatt aaatgcaact taaaacatcc ctcagcagca aaggaaatgg   60

actaaaaccc tatagctgct tgtgaaattc gaaatatctc agactcttct taccatcaaa   120

acaaaaaaca gtactcatca aaaacaaaca gcaatgaaaa ttgaccaccg ccgatcaaga   180

acctagtttt gaaagttacg gctacatgaa atcggcagaa acttaaaaat ataacttaaa   240

caaaacacct aagactctgc aaggataaaa ctactataaa ggagtaacca cgatgatgat   300

cacatgtgct agcaaaattg cccaaatgca atcacttctt cttggcagcg gccttggtga   360

ccttggctcc ggtggggtct ttcttctcaa cactcttgat gactccgaca gccacagttt   420

gacgcatgtc cctcacagca aaacgaccaa ggggaggata ctcagagaaa gtttcaacca   480

ccatgggctn gggtggaatc atcttaacca tacctgcatc accattcttc aaaaatttgg   540

gctcct   546

<210>   7865
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220089e05a1

<400>   7865

tttcattttc gttttctctc tcttctttct ttctctttaa acgccgacca acgacgcgac   60

acgacaccgt ttcgatggtg gtgaagatga tgcggtggag gccgtggccc cctctcgtct   120

cgaagaagta cgaggttaag ctcgtcgtga aaaccctcac tctccagggc tgcgatctgg   180

tgcgtgcgtc cgcagagaaa ggcttcatgc tccagattaa gtggaagggt cccaagctta   240

ccctaagctt gctgagacgc aacgccgttg cgagaaactt caccagagaa gcgcaccctg   300

aacaaaacga cgacgtcgtt ttgtgggacg aggagtttca cgcactctgc acccctaacg   360

cgtacaaaga caatgccttt caccccctggg aaatcgcttt ctctcttctt aacggtttga   420

atcanagggt caagactaag gttcctgtgg ttggaactgc gactttgaat ctagctgaat   480

ttg   483

<210>   7866

<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089e05d1

<400>   7866

gaaaaccaaa atctattttt ttattaattg atcttatatc attgctatca gtaaataata   60

aataaatatg atcttgtgga atcagagtgc aaaatgtaag ccaattcaca agtctttgc   120

aaactacatg ttaggtgcca aaagtttgag ctctcacatc gaaaaggaaa ttacaaagtc   180

atttacagat actcttcctt ggtaagatgt agcaaaacaa agccttttg ttaatttcac   240

tgaaaaccag aaggcactct taacgtaaga ctagtttgaa taaccacatt gtttccttat   300

aatttacagt tgtgcaacta ttatgcggaa acctcagtta ctgcaagagc aagagtctct   360

ggcacagtca tggatggttc agccactact ggaggtgcaa cacaagactg caacacctga   420

gtgtagtgaa actcaatttg tagcctatga tgaaatgggt gttgagttga tgata   475

<210>   7867
<211>   466
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089e06a1

<400>   7867

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tgtctatgtg atagtctttc agtcactttt cttgggaatc tttttcatgg ctattatttt   120

ggcgactaga gattattatg ccattatttt tacaaacagt gaggttttgc ataaggccgt   180

tgcgaaacta ggatacctcc tttctgtgac aatggttcta aacagtgttc aaccagtggt   240

ttcaggtgtt gctattggag gtgggtggca agccctggtg gcctacatca acataggttg   300

ttattactta tttgggcttc cactggggt cgttcttggt tatacagcan atttgggggt   360

tgagggaact ggggtggaa tgatatgtgg aattgtactc cagaccttgc tgctcttgtt   420

gatactttac aaaaaccatt ggaagaaaga ggtggaacaa acagct   466

<210>   7868
<211>   532

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089e06d1

<400>   7868

ggaaaaataa cgaagttttt ttatcttcac catctcatca gacaccacag ctaaactatg   60

ttctgtacct aattggaaga gagcaacatt acatgtaaaa tggacagact aggaacacat   120

gaaaaaaaga ctttgagaac ttgactcgag tggaggtgga agatatacaa gattatgcag   180

aagccactat cttatcaact ccaatgtctt gtccactcca tatccgcatg cgttcagctg   240

tttgttccac ctctttcttc caattggttt tgtaaagtat caacaagagc agcaaggtct   300

ggagaacaat tccacatatc ataccacccc aaagtccctc aacccccaaa tttgctgtat   360

aaccaagaac gaaccccagt ggaagcccaa ataagtaata acaacctatg ttgatgtagg   420

ccaccagggc ttgccaccca cctccaatag caacacctga aaccactggt tgaacactgt   480

ttagaaccat tgtcacagaa aggaggtatt ctagtttcgc aacggcttat gc   532

<210>   7869
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089e07a1

<400>   7869

ttataactag gtatttattt tctcatatgc tcttcttaaa cttctctttg gtagtgtgtt   60

cacatacata tctacttatt gttattatta ttgtcaccac atacaataat gggttccatt   120

agtaacaccg aggttcataa tcatcacaat gatgatgacg acgatgatca tcgtcatcgg   180

gtgaatttct cgatccagag aggatttggg acaaaattga aggaggcatt gaaggaaaca   240

ttgtttccgg atgatccctt caggcagttc aagaacgagg agaagccaat ggggagggtg   300

atgaaagggg tgcaatactt catcccaatc tttgagtggc tccccactta caattttcgc   360

ctcttttgct ctgacttgat cgctggacta accatctcaa gccttgccat tcctcaaggc   420

attagctatg ccaaacttgc tgacctttct cccctcattg ggctttaatc cagctttgtc   480

ccacctttga tctatgct   498

<210> 7870
<211> 506
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089e07d1

<400> 7870

gggaaaagtc attaatttat tagcgaatat tttctcaatt ccacaaatat atagttgtat   60

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acttaggcat gaatttcttc ttaaaccacc tcttgagcat tatttgcagc ctttgatgaa   180

cgaagtgtat attgacttgc catcactgca tcatccaata ttagataaaa cgactccttc   240

ccaattttct caacaaactt ggacattagg atcttctcga ggggctccag ccttggggtg   300

acgggcgtta agtttaagtg tatagtgggg gaatatttta attaactcgt ccaatccttt   360

aatagcaggg agaccaatgg ctgtcactcc tgacaaatta agtatgatgt gctcaactac   420

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agaatttgcc aagtaaacgg gagaac   506

<210> 7871
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089e08a1

<400> 7871

cttgttccta ccagtcccac tgggtattct tttttacttt gcatcttctt catcatacat   60

gcatgatgaa gattttcaac ccctctgaat gctttcttcg aacgtggta tgtccatccg   120

ataccatctt cctgaaaagc atcaatcttt cccatctggg tgtttcccat ctctacctat   180

tcagaatgtc cattctctcc tggcccaatt agcagctaca ctacacccca atacaacact   240

atacttcttc tcctatggat ccacaaaacc aacacccccc taacccgaga agcattatct   300

tcaacaagta cgagatgggg cgggtcctgt ggcaaggaaa cttcgccaaa gtctaccacg   360

cccgaaacct caacaccaac gagagcgtcg ccatcaaagt catcaagaaa gagaagctca   420

tgaaagagcg actcgtgaag c   441

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<210>      7872
<211>      462
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089e08d1

<400>      7872

aaagtgaaca acaatgtttt cacttttcca tgatttgcgg gattattttt gctagtatat    60

atatatacta ctgtagtgta gtatattcaa atcaaacacc gtcacaaact ccacagtcca   120

aatttacata gtatgtatga aatcaaatta agcaaatcaa agacaaacta aattaaacca   180

cgaccatgat ggatcataga aagtactagt actataaaaa aaaaagacac agaaatgaga   240

aatgacttag taactactgt tggagttatt attagtatca atcaccctgc cagcttcaaa   300

caatgtcttt gagggaaggc ctcacttgct cctcacagaa cttaacatac tccaacgtat   360

ctccggcaga cttagtaaac tccgccaccg acaccttcgg cgccacctcg aaaacctcca   420

ccgtcatcgc cagcttaccc ttcctaccct tctacgtccc ct                      462


<210>      7873
<211>      419
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089e09a1

<400>      7873

ctcgcgaaag cgccaaatcc caacaatacc cacacctcac tcaccctaat gcccaaattc    60

cgttattcaa ctttcccccct caccacctcc ttcacacctc actcaccacg gtggtgcgtt   120

aaaatcactg gtcgcaattt tcctctttct taaccgcacc atgtcgaata ggaagttcgg   180

attcgaaggg ttcggcataa accgccaatc cacctacagc ttcgagcgat cccagccccc   240

tcagcgactc tacgtacctc cctccgcgcg ccacggccac gaccactacg aagacaccga   300

catcgacaac atcgacttcg acgacaacaa caacgacgac gggagcaaga ataacaacgg   360

tggcggcaac gacgacgacg acgaaatcga ccccttggat gccttcatgg aggggattc    419


<210>      7874
<211>      490
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmf102220089e09d1

<400>   7874

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ttttggtttt aaaaataggg gattgaaaac cgggcccttt tttattcaaa aaaaatcaat   120

tcttgacttg acccaaatat aggaacattg ataccttttga caggggggcc attcaatggg   180

gcaccaaact ttttatccca acctggtggc cccccccttt ttttagggtt aaaactggcc   240

gggttctttt gaccaggatt taccccaaaa acttgaccgg gggaatttcc cggtgttgta   300

cccggattgg gggaaacaaa attccgacaa atttttatgt ccccgccaat tgatcccccg   360

ggttcaaaac ccggggggtgc cggtccctta ttagcagcca tgcttgaatt gcgccccaat   420

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tcctggtccc   490

<210>   7875
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089e10a1

<400>   7875

gagtaattgc ggaatcagct agaattttct aataatggcc aaagacgttg agcaggttac   60

agagcaaggt gaatactccg cgaaggatta ccatgaccca cctccggcgc cgttgatcga   120

cccagatgag ctcactaagt ggtccttgta cagagccgcc atagctgagt tcatagcaac   180

actccttttc ctttacatca ccgtgttgac cattattggc tacaagagac agagtgacac   240

caaaatcccc ggtaacaccg agtgcgacgg cgttggcatt ttgggcatcg cttgggcctt   300

cggtggcatg atcttcatcc ttgtttactg caccgccggc atctctgggg gacacatcaa   360

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gtacatgat   429

<210>   7876
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089e10d1

<400>   7876

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actggaagaa agaaagaaat taaataaaaa aaaaaaacaa aacaaaggg atacaaatac   120

acccttgaca taaaagcatt cttatctaca aattcaagag ccccaaaccc acggtatttg   180

gcttttgccc caaacccacg ggtaagcaga aaagccaaaa aggaaggaac tccaagaatt   240

gaactgaaac actgttattg ttttgggtga cacaggacaa atgatcataa tttaggtagt   300

ggagattatt aattaagtgt tgctcctgaa tgatccaaga gctttgattg cagcagctct   360

aagaatgtat tgatggtaga atgcagccac cgcagctcca caaacggtc caacccagta   420

aatccattgg tcgtcccagg ctttgtcgtt gttgaagatc acagctggtc cgaaactcct   480

tgcagggtta atgccggttc cagtgacagg gattgtagcc aagtgaacca tgaagacggc   540

aaacccaaat ggaagtggtg ctacacagga a   571

<210>   7877
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089e11a1

<400>   7877

cgaagagaat ggctcccaag ggtttaatct ttttggctgt gttatgcttc tcagcactgt   60

cactgagtcg ttgtcttgcg gaggataatg gacttgttat gaacttctac aaggaatcat   120

gccctcaggc tgaagacatc atcaaagaac aagtcaagct tctctacaag cgccacaaga   180

acactgcttt ctcctggctc agaaacatct tccatgactg tgctgttcag agttgtgatg   240

cttcactgtt gctggactcc acaagaagga gcttgtctga gaaggaaaca gatagaagct   300

ttgggttgag aaatttcagg tacattgaga ccatcaaaga agctttggaa agggaatgcc   360

caggagttgt ttcctgtgct gatatcctcg ttctctctgc cagagatggc attgtttcgc   420

taggaggtcc ccatatccct cttaaaacaa gaagaaggga tggtagaagg agcagagccg   480

atgtggta   488

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<210>      7878
<211>      533
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089e11d1

<400>      7878

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aactctaacc tacttgcaca gtacttattg aaataaaaaa ttaaaaaaca aactatcaaa  120

caagagtgac atcggaagat taaaaaacaa agcgtcttaa tcctcgcatc cccatgaacc  180

tgctgtggtc ttgatcggtt cattgaacca atcaaccaac ccatttaaag aaaaacacct  240

taattatttt ttgcataata tcttacagat ttcttccaca tagagaaggg gaagaaaatt  300

caaggcccaa attaagcggg aagcaattaa ggctcctcat ggtgcttgtt ggcaacattg  360

cactgctttc tgatctcacc ctttgtgcca atgagagggt tgttctcaga gagcaaagga  420

atggctctag aaaactccct gaagaaatag tcctggctct tggccatttt cttcacataa  480

ggcttggtcc tcttgtcatt ggctagttgg tgatccacta tcaacaagcc ctt          533


<210>      7879
<211>      593
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220089e12a1

<400>      7879

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gctatggcac ctcctcaggc agacctaagg aagatcggtg cagaaggctt tgctctgata  120

gacaagttct atggtccagc aagaaggaac agtgtcaatg atgcattcca tgggcgaaga  180

ggagatcgtt gttgggttgt ttataatgtg tctaatgatg tcatggaaga ttctgctgca  240

attggcatgg aggcaacaac tggccatttt gctgcgaaat ctgctatgaa ttatccaaag  300

gcaggtaaac ccgaaattcg ttattggggt agaccccttaa aattttaagt tttttttggct  360

tatgcatgtt atcaatatca ggtgtcttca aatgggtctg tatttcatgt tagcttactc  420

ttgtttgata tatacgtgta taaaaaaaaa aactcggaga ccttcatcta tatttatatc  480
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aaggtcttct gtagtttgtg gaaggtaaat tacatatgta gttgaataaa gtactcaagt   540

atcaagggat gtaatgaaac tactnngtat gcatggacta ctattttttt tag          593


<210>    7880
<211>    403
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmf102220089e12d1

<400>    7880

ggttcaaaaa tttttttttt attaataaaa agtctgcccg gaaaataaaa aaactacgat   60

aaaaaattct tcgtatcgcg atccaaattg gaatactccc aaacggggca attgaacctt   120

aacttaatac aaccattttg tctccccaaa agggggaaac tcactacagg cttaaaatcg   180

taaataaaaa atggcccact gcaacactta taaaggccct tggggactgc taaacttaca   240

ctagcttacc cactggaata gattggggca acaaagtttt ttccattttc acaaaagggg   300

gaaattcaac catatgaggg attgtttcct ttaaaaacct ggggggttccc cttaataaac   360

ttaaagttaa agttcctgga tttacgacca gtcaaagctg ggg                     403


<210>    7881
<211>    470
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmf102220089f01d1

<400>    7881

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taaaaaaaac cgccttaaaa aaaatttcag ggcccaaaaa aaatttggggg gcaaaaaaat   120

ttttttaaaca aaaaaacccg ccaaaaaaaa cggggcccctt tggaggctta acccccccaa   180

taaaacccccc aagaaaggga aacccccccc cccatccaag gaaatcggac cccttttttt   240

ttaaagcccc ccaaattttt gggctctccc cggaaaaaaa aaggcccccct tttttttggg   300

ggcggcaaaa atttctcgtg gtaaaacata ttttaccacc caaactttt ggggcccaaa   360

aaggggggaaa aaccctcttg aaaacccggg agggaaaatt gcggggggggg ccaaacacac   420

ctttcccctcc ccttcgggcc cctttttttaa aacccccgggg ggccccttta            470
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3525

<210>   7882
<211>   589
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089f02d1

<400>   7882

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ggtacacatg gaaattatac atgaacaatg agtgtcagta acacattcac taacactctt   120

ttttaacaca ttcttctatt gcttaaaatt taggtggatc ctactaattt gtgaacaaga   180

cccaccaaat agaaaatgaa actcaccgga cttttaacta acaggagatg tatgtcacaa   240

agagtgttag ggaaagtgtt gttgatacat gaatatatat atatatatat atatatatat   300

atatcatcat catcaaaagc gtcagattga ataacaaaaa tgcttgcaga gtcagtcatc   360

tgaagggttc aaccggagcg gattcttcaa gagagtttgc tgtctcaaaa cattctgcag   420

cttctagaat tgtaccctca tccttgtgaa aaataccaag attataccaa gcagaagcat   480

taaatctgtc atgccgtagt gcatccatca gaaagcttct gatagcagga tttgatcgat   540

tactgcacca tctaagaaca accgcagcag agatcaagct agggacatg   589

<210>   7883
<211>   506
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089f03a1

<400>   7883

tctcggccat ggaagaatta cggaaactcg agaaagtaca gagcatgctt gaattcatgg   60

aatcacattc acggggcgtt tcaaactccg atcaacactc taaccgcttc ctcgctaatt   120

tcattctttt cttgatcgaa ccctgcggag acctttccat caaccacaag tgctccttgc   180

tctcccactt tattcccact gtcagttcca cttcctcatt tgaatttgca tttgcatttg   240

cattttcatt tcatttccct ttcgcttttg cagctctcat ctgcattcct cgaagacgcg   300

tatcaacacc accttttcac cacctctaaa caacaaaatt ctggtggttt caacaaagt   360

cttgttggaa attctttgct tagttgcaat cagatgaaag aatacagttt gttgcaaaga   420

3526

tgtaatgaaa acgctgccat ggtcgggctg gattccatgc aaatggcana ttctacactt   480

gaggattttt gcagatctta ttttat   506

<210>   7884
<211>   576
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089f03d1

<400>   7884

aaatcaatta ctattatatt aaataattta tgtcttggaa attaaataat ttttgaaaca   60

gtttgaaggc tgggaacgga gaaacaaaca tgctgtcaac gttcagccca aagctacaat   120

atagttgctt ttttgttttg tcccttggaa tgtatgaatg tccattttgg aagctcctaa   180

tggtaatcca aacacacact atagtttaca tcatcggtgg caagtgataa aatcagaatg   240

agttatagaa atatccgttc agctttactt ggtgtgtcaa aattaaatta cttttttgaa   300

agggagcttg ggactctcat gtgtcgcgca catgcgttgc actatagcac gggcctggca   360

cacccttttt gtaagtcctt taatgagtgc gtcattcaac atttcaactc caactcgtca   420

tgttatactg gaggaattac ctcagagaca cagttaaaag ttatattcac gaaatatctg   480

acttcaactt taatctatac aattcctcat cttgaatcac ggttgganat actcatgttc   540

caagagggtg ctctgatacc ttttcacctt cttag   576

<210>   7885
<211>   391
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089f04a1

<400>   7885

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tggaccagcc aatcgtcgat tatatcgtca acgtcctcgc cgacgatgac ttcgatttcg   120

gcctcgacgg cgaaggcgcc ttcgatgccc tcggcgagct cctcgtcgcc gccgactgcg   180

tcgacgattt ctcccactgc cgctccgtat gcagcacgct gtgcgacaag ttcgggaagc   240

acggtttggt gaaggagaag cccgctgtgc gaagccttgc ggcgccgttt cgaatgaacg   300

agggaatgga cgacgtccaa gctcccaaga agaagcccga gcccgtcgac ggccctcttc   360

tatccgaacg cgatcgctta aagctcgagc g   391


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<210>      7886
<211>      328
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220089f04d1

<400>      7886
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ggagtaatta atttaacctc ttgtgttcat aaaattgcct tgaaatggtg tcacttgcac   60

ataggtttgg ataaattgca aaattggata ttcccatgta tgacagctga caggaggaag   120

agcataaaac cgagatccag gtgtcttcca gtatacattc acaaaatgta acttttctaa   180

gatgattgga gtatctgctt atcatctagg aatgcgccat ggaatggtgc cactatggca   240

ttattacatc ctatagtgcc ttacatcttc catagatgac ttgctcatcg tgactcacca   300

tgagaatgcc tgcttggaac agcgcatg   328


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<210>      7887
<211>      442
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220089f05a1

<400>      7887
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tgtcagtgtc agagtttcca atgaacttgg gcttggacat ccaagagctg ccaagtactc   60

tgtctatgtg atagtctttc agtcactttt cttgggaatc tttttcatgg ctattatttt   120

ggcgactaga gattattatg ccattatttt tacaaacagt gaggttttgc ataaggccgt   180

tgcgaaacta ggatacctcc tttctgtgac aatggttcta aacagtgttc aaccagtggt   240

ttcaggtgtt gctattggag gtgggtggca agccctggtg gcctacatca acataggttg   300

ttattactta tttgggcttc cactggggtt cgttcttggt tatacagcaa atttgggggt   360

tgagggactt tggggtggta tgatatgtgg aaattgttct acagaccttg ctgctcttgt   420

tgatacttta caaaaccaat tg   442

<210> 7888
<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220089f05d1

<400> 7888

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ggaaaaataa cgaagttttt ttatcttcac catctcatca gacaccacag ctaaactatg    60

ttctgtacct aattggaaga gagcaacatt acatgtaaaa tggacagact aggaacacat   120

gaaaaaaga ctttgagaac ttgactcgag tggaggtgga agatatacaa gattatgcag    180

aagccactat cttatcaact ccaatgtctt gtccactcca tatccgcatg cgttcagctg   240

tttgttccac ctctttcttc caattggatt tgtaaagtat caacaagagc agcaaggtct   300

ggagaacaat tgcacatatc ataccacccc aaagtccctc aaccccaaa tttgctgtat    360

aaccaagaac gaaccccagt ggaagcccaa ataagtaata caacctatg ttgatgtagg    420

ccaccagggc ttgccaccca ccttcaatag caacacctga aaccactggt tgaacactgn   480

ttagaaccat tgtcacagaa aggaggtatc ctagcttcgc aacggcctta tgcaaaacct   540

aactggttga aaaataatgg cataataatc                                    570
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<210> 7889
<211> 496
<212> DNA
<213> Glycine max·

<223> Clone ID: jC-gmfl02220089f06a1

<400> 7889

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gagaaacaga ctcgctgctt agtttatgag cttgtcccta atggaagtgt cgaatctcac    60

ttacatgtag ctgacaaggt aactgatcca ctggattgga attcccggat gaagattgct   120

cttggtgcag ctcggggatt ggcctatcta catgaagatt caaatccatg tgtcatacat   180

cgagacttca aggccagcaa catcttgttg gagtacgatt ttacacccaa ggtctcagat   240

tttggattgg ctagaacagc actggatgag agaaacaagc acatctccac acatgttatg   300

ggaacatttg gctacttagc tcctgaatat gcaatgactg gccatcttct ggtcaagagt   360

gatgtttata gttatggagt tgtactcctt gagctcctaa ctggagaaag cctgtggatt   420
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3529

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tgtcacaacc accgggtcaa gaaaatttcg tgacatgggt tcgtccactt ttacaagtaa    480

ggaaggcttg caatga                                                     496


<210>      7890
<211>      537
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089f06d1

<400>      7890

acctagaaac caacatgggg acatagttta tacattgaca aaagttgttg tagtttgtga     60

ctttgttaca ttattatcac aatattttct ctcaagtgaa tctaacatgc gattcatgga    120

actcgatgaa ttcggtatgg aaaacgcaag attaccaaaa gcttaatggg atccatgttc    180

actggagcta cctctagaca aacttctcaa cttctgccag aactgccttt tcttcccaat    240

aattagaggc cctgaacgag aatactgcct gaacgactca aattcctgac ctgaagtact    300

gagcaactct gatgctgata atcttacctt ttcttcatta gattgatagc cagaaaaagt    360

tttttgacac tctgaaaatt ccactctttc acctgaagct tcggaaaaaa ttcctttcac    420

atcggttaga agaccctctt gagaacccctt cgattttata aagtctgtgt tctcaaactc    480

actgcatact agcttcaagg ccttgacaac ttcttccatt gaaagacgtt gagagac       537


<210>      7891
<211>      443
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089f07a1

<400>      7891

acactatttg caaattggag tcctgtatat ttatctgctt ctaaagatga gtcggaatcc     60

aaagacacag agccagcctt ttggactggt ggtcaggtaa cagaagaagg cctaaagtgg    120

ttactggata aaggatataa aactattata gatctcagag cagagactgt aaaagataac    180

ttctgtcaag cggctctgca agatgctatt tcatctggaa gaattgaatt ggtaaaaatc    240

ccggttgaag ttaggactgc acctacaatg gaacaggttg tgaagtttgc atcttatgtt    300

tcagattgca gcaaaaggcc tatctatctt cacagcaagg aaggagtttt gcgaacatct    360
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3530

tccatggtct ctcggtggag gcagtacatg actcgatctt catcacagat tgtttctaat   420

ccaacagtta caccctatga cat   443

<210>   7892
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089f07d1

<400>   7892

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acatggtgaa aaaacattgg gaaaccctat ttttacaagg ggagccaatg gaataaaggg   120

gagggatctg ctatatatcc aaggtctgga aaatcaatgg acaagcggtc caggaattttt   180

agaagcccta tccttaggtt ggggacctgc cctttgggcc ttcacttggg catgccttac   240

agagcctttt gatcaagcct gtaattctcc ttgaggcggc gaatcaggct tctgaaccaa   300

tcacccgttt gggcaaactt gttaacagat ggaaggggag gcgggctcat cgaatttcgg   360

acagaatcgc cttttgagag ggggggcctt gttttcccaa taaatgaaac ccaggcttta   420

ct   422

<210>   7893
<211>   460
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089f09a1

<400>   7893

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gtcattgctc atgttgatca cggaaaatca accctcactg attctcttgt ggctgctgct   120

ggtattattg ctcaagaagt tgccggtgat gtccgtatga ctgatacccg tgcagatgaa   180

gctgagcgtg gtattaccat caagtctaca ggtatctcac tctactatga aatgactgat   240

gaagctctca agagtttttaa gggagagcgc aatgggaatg agtatcttat caatctcatt   300

gactcccctg gcacgttgaa cttctcatct gaggttactg ctgcactccg tattactgat   360

ggagctctag ttgtggtcga ttgtgtggaa ggagtttttgt gtcccaactg aaactgtgct   420

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<210>   7894
<211>   577
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220089f09d1

<400>   7894

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acagcattac aacattcacg ggcaaaacca caaacaaaac taacagaaat taaatctaaa 120

gtagcattgt tcacaagaga aaataaattc gactaagttc aaagtaaaat aattcatgaa 180

acaaatttaa agcttgtctt caaactcgga gagaggagtc atctgttcct tcaagccctt 240

cctcttgcga atgtcagtga caagctgtgc agcttgtgat ccagcctcca atgggtcaga 300

agacatcatg tcccagtgat caaacacaca ttgtgggaag gcctggcctg atgttgcagc 360

cctcaatgtg ctcgagaaac caaaggactc gatgacaggg aggtatgcct tgatgttgta 420

tagtggggta cctggcctct gcatttcctc gaacacgtgt ccacgcttct ggttaagaac 480

actgtagatt ccaccaagag cttgttcagg agcctgtatt tcaccaggta gacaggctca 540

agaagcctgg gttnggcagt aatctgggaa gcataga   577

<210>   7895
<211>   403
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089f10a1

<400>   7895

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tgaggcaaga gtaatcagca agaagcaat gcagcgtaac accattcctg gatgcagcaa 180

agtacacccc aatgtcgccg cttgtcatct gccattagtt aacatcaact atagaagagg 240

ttgtgagcca ggagaaagat gtcgccaata agatccagat cgaggatgat ataagccagg 300

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gactcggcct ttgatcaatt tcttttaaaa accatgtgta ctggctacaa tatgtaaaag    360

gacattacct tgtacaccaa gtaaaataat gaaatttcat ctt                      403


<210>      7896
<211>      411
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089f10d1

<400>      7896

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attggagcca gtacccatgg tttttaaaag aaattgatca aaggccgagt ccctggctta    120

tatcatcctc gatctggacc ttattggcaa cattttctc ctggctcaca acctcttcta    180

tagttgacgt taactaaggg caaatgacaa gcggcgacct ggggggggac tttgctgcat    240

ccaagaatgg gggtacgctg aattggttct ttgctgatta ctcttgccta aacttttgg    300

accaaaaccg gcgacaacaa aaggggggcag agaacaagac cctgcatcac ccttggcatt    360

gccatcgcta tttaattaat caatgcgaag ttgattaatg atgagttaaa t            411


<210>      7897
<211>      439
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089f11a1

<400>      7897

ccaaccccaa gaagggttct tcaattttgt agttttttc tttgtggtgg ccgggttaaa     60

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ttctctggca atttttattc ctaccctgaa tgccaattcc ttagagaaag atgagtattg    240

gcagagccat gtctatgagt ttgatagtta ttggcaggaa agggcaaaag ccgctaaagt    300

ggacagtcag gcagcttatt ttgaagaccc atattcagtc tccagcaact tcacttccag    360

tgttagcgaa ctcacaattg gcaagaagga tttacgaagg aacttgaagg gaaaatatcg    420

tggtgacggt ccatgcata                                                 439
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<210> 7898
<211> 582
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089f11d1

<400> 7898

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ggccattcta tcattatggg tatcgtgagg aacagaatta atgggaaaaa ggcttattaa   120

caagggctac ccactctgga cttcaccagg tcgactgcat agcaagtaag ccttcctaca   180

taatgtccta ccttagcggc gatcatgcct tctcttgaga ataccctctt agccgaccca   240

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caattagccc atacgtgttc tggagcgtat tccctcttta gaatctgtct atcgaattga   360

ctgtcagggg cattaaaacg gtcaccctca ctgataatgg cggggtcctt gctaccacca   420

atggcataca tttcccagtg agcgtagtca ttatttaccg aatggacaaa accatatcga   480

actctgggca tcctctgaac taaacttttg cccaaacggt tgaatgccaa ggtgatttgc   540

atgagcttat catcaggata actgccactg gcaccaaaca ac                       582
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<210> 7899
<211> 590
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220089f12a1

<400> 7899

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ggtcagcgtt ctgccgaaga agttgatgac tgcgacgtga aaggggatca agaaaacctc   120

tgaactctca cgtcactgtt aactcacaac accattccaa cagttgatgt ttgatataga   180

agtgcaccta aacacatggg acaagcagt tttctatgga actgtactaa aaaattcatc    240

acagccggga tcgtcactgt gactgtgact gatcattttg tgacagttat tccagttcga   300

ggcggatcta tgtctcccac atttaatcct aaagctggtt ctcatatggg agatgttttt   360

gatgactatg ttttggttga gaaattttgc cttaggaatt acaagttttc acatggcgat   420
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gtggtggtct ttcggtaata tttctgtcca tcctttacca agtattgtac tctntacttt   480

aagaattaaa tttgcattta tatgccatat tttccttttt atatgatgtc tggaagataa   540

tttagctggt ggctgtagaa gcctgtgaac tagcatgtct ttggataata             590


<210>      7900
<211>      591
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089f12d1

<400>      7900

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ctggacaact actcgagaaa gctggtatca cattcggacc agcatccttc taaacattgt   120

tatgcaagtt ttttcaccta ttctgcttta agatatcatt catctcattt gtaaccttta   180

ggttaccttg cttagaatgt aaccaacatt tgagggattc aaggtttaca ctagcaaccc   240

aatcaacaaa taggtaagta actatccttt ccactgacaa atcaaggaac atgtaaggga   300

acaacgtcag agatcagaag ataacacttc tgatgtagtt ctttcgcacc tatcctttga   360

ggaagcccaa caatatagca ttattccact agtggatcca actaaaaaga agataatcgt   420

tgcggtggag tactcttgac agctcctatt ctttgaggag gccacacaac atgggtaacc   480

cttccccgaa ttagggccaa aggaattggt ccatatgaat ttgaatccaa gctagaagcg   540

ggtgtgtctt cttcaaccca acaatgtcct aatggaatct gaatcacatc a           591


<210>      7901
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089g01d1

<400>      7901

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tgaaatcata ttttagattc agtaaataaa ttaatatgat aagctaagcc tcgccagtaa   180

ataaattaat atgataagct aagcctcgct tgagcctcaa agttttcata ttatgggaac   240
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3535

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gtgcagctat attcggatgg ttgtcgtcta actctacttg ctcacttctg ataacctctt   180

tacagattcg tacaagtcta aacactccaa aaattcagca tcaaactgag accattatgt   240

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tcggccagta ttgagaaaga cgtgcctttt ctgttcctgt ttttgagctt tataagcagc   360

tgtcaaatcg agctgcttaa gtgatggggg caaagagcca taataagtca acaggtacat   420

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3536

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gcagggcttc tactgacact tctaccatgc ctgcctctca ctgggcttct actgacactt    180

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aacgcgaatc acgaagaggg tcaccgagaa aatgggtgtt tgtgggtcga ggcccaaagt    180
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gaacgaggac ctctcagcga agaagaagaa caaccaccac cgaagaagaa gaaggagaat   240

cctcagaaga cgcgtctctt ctagaaagat cgaagctaac aacgtttctc actgtaattc   300

agctcttcaa gcttctaatc gcgcttctga tgctgcttgg tttgattcta cttcggcatt   360

ggattctgag tgtgatgacg aattttacag tgtctatgat gatgggatgt ctttgaatga   420

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atgtcatttg aaagccacct atgggaggac cactcggaac aattttggga catgttatgg   180

gtaaaactct ttatggtgaa gcttagactt aaaagccaaa ctggttgaaa ttgctgtaat   240

caagtttatt caaccgtatg gcacataata aatgctttgg caagtcttcg gccttggttc   300

cctgaattgt caaaccaaaa tccaggttac atagcttaag tctttcaatg aagccttaaa   360

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aatgccggag gcatgcacca ccaccggatc ctctttgaca gtaccacccc tgggttcttc   180

ggcaaggtcg gaatgcgcta ttttcacaag ctccgcaaca aattctactc tccgatcctc   240

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aacaaggcgc cgctgatcga cgtcacgcag ttcgggtact ttaaggttct cggaaagggt   360

gttttgccgc agaaccagcc cgttgttgtc aaagctaagc ttatttccaa gatcgctgag   420

aagaagatca aggaggctgg cggtgctgtt gttctcaccg cctgatatta ttgacggtat   480

cggtttttca acaattaagg gttttttat gttaggtctg atacgtttcg tttggatgac   540

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<223>   Clone ID: jC-gmfl02220089g05d1

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accgtcaata aaatcaggcg gtgagaacaa cagcaccgcc agcctccttg atcttcttct   180

cagcgatctt ggaaataagc ttagctttga caacaacggg ctggttctgc ggcaaaacac   240

cctttccgag aaccttaaag tacccgaact gcgtgacgtc gatcagcggc gccttgttct   300

ccttggaggc cttgtccttc acttcttgcg gaaccaggga ccagagcttg tcgatgttga   360

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gatgtttaag atttgatata cagtaaaaag aaattggaga ctatggaaga aatacagtct   180

caatcagata attatagatc ttcgtcatcg tcggcaagca gcccggcaag tagggtgcca 240

tcaagtaact ttttctacct gcgtaaacct ggttcactta ggcagcccat ctcttttgag 300

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attaatgtcg caacaacacc agcttctccc tctctttttaa agctcaacag tgggtgcctg 420

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gatcaaaagg aattgtacaa agtaaatggc tgaacaacgt tccttcccat taacttgtat   180

ctggtggggc cctattatta cacttgaaac atttacgcag cgatatttt ctccccacag   240

agaaaaatta caagatgaac ccaaaaattc gataaccaat tgccataaga aacaaaacca   300

acaaattttt ccacttcgaa ttggtgtccg gggagatatt ggacacattt tggagagctt   360

gaaacccaaa tatgggcctt acctgcccca ctgcaaagga ggttcctagg gactcattct   420

ccaatagccc ctgaatagag taagtttgaa aggctatata tgacattgga tacacccaca   480

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<212>   DNA
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<223>   Clone ID: jC-gmf102220089g07a1

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gcttccggag ccaaaccaag atgagaatgc cgtggagaaa gagccaccac cacctccgcc   240

accacggttt catgttcatt ctttctgtaa gactctgacg gcgtccgata cgagtaccca   300

tggtgggttt tctgtgctga gacgacatgc tgatgaatgt cttcctcctc tggatatgtc   360

gaagcagcca cccacacagg aattggtggc taaggatctt catgcatatg aatggcgatt   420

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089g07d1

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tatcacccta tatcacctca ctcaaaaaca caattgatta aatactaggg attgtataac   180

tgggcaggca tatactacta attccgggat ttccaaaatt ggacggatac tactctttta   240

atgccatctt atatatttga tttgaagcag tcactgataa gcagcagtca gcctcgattt   300

catcttcaag ttatgttttc caactggatg gatggcttca tgacagttcc ttactttcca   360

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ccatcaccga ctggttctct   500

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aattggataa gcgggggaat caaaatgtag ttggaaagag aagcaatatt tcatccagtg   180

caaaagaatc agaagttcag cctgtcacta gagatgcatc atataatcca gtttcaaaag   240

agaattttat ggagtcaaaa acacaatttg gtggcagggg aaagagatat gtctttactg   300

gtaaaaattc aaacccaaga tcatctggtc cagctccaag ggttaatcgc ccagactctg   360

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aatgctgaca agaggcaggc tactagtttc ggttttgact g   461

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tctccaatat cccctaccac aacctggtat ggaatttgtt gtagccagca aaaatcaaca   180

atcaacctcc caagtagaag ctttaatcaa aactttattt ttctgccaga tcaaaaatta   240

ataacaaagc ctttcctgag tttttttcaaa tccagctgat ttttctcgct cctcatgaca 300

ctgttgatgc cccactaatg gtctgtttag ccacatatat ttgctttacc tttgttgagg   360

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agtgtccaaa gagagacaag ggccattatc tgtgtgctgg ctgatctgta gatcactccg   360

atgaggtcag atatagacct tcttggttat tatacttttc tctaatagaa aattctcctg   420

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acattggcaa atcaacataa catttataat tgcttagaat agtcacctga aaagagaaaa   180

ttcaaattcc aaaaccattc taagatatat tcatgaatca taaacatatc atcacgtatc   240

tggcatgacg ttaatagttt ggccttccac atatggccta atgaaagtcc tccgccacca   300

cacctgaaaa gctctctgaa gattgggaca gccatcacca gttttcaaga aacttgcaac   360

ccatgaaagc aaaatactct gctgatcctc caaaggcaag gcgagaattg tccttgcaat   420

tccttcctgc acaagtttcc tatcgaatga cccggacccg tgctgcaacc agttatagtc   480

attgattaga ggctgtagcc atgtctgcaa caagaactgg cgtgtgtact ttgatggcaa   540

aacctaccct cttccaatgc aacatatag tcttctgaa atgcaactga catgat   596

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<211>   385
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actcaaagat gatcactgtt tctttctttc tctatatctc aaaaaggaaa ccgacaacac 180

aaaggatttg cagaaagtgc agctacttag ttccattttc atcctctctc cattaacttt 240

cagtcaaaac aaaacaaaac ctctttaggt gtgaaattcc acgtgccaaa atcatctccg 300

aggcaccaac atcggcagcc acatatttct ttatttattg aaggaatcag tatataaaac 360

acctgctttc taacggtggc gcacc 385

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ccaacctaag tactgctttg tctttatctc taaacaattc ttcaaagtgc tgcctcgtac 240

cacttaaact ccattcgtat ctacctcaaa ggcttaaagc ctttatcatg catcctccaa 300

cctcccattc cctactccct actcttcaaa tagtatttat tcaaataaca gcagcaaata 360

gtaacagttt aacccataac cacataaaaa ttcagtgaac tggactccaa ataatctaaa 420

aaagcataaa cagataaatt aaaataaata aacagaagaa agccttgttc tttctttaac 480

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3544

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gacacagcca ctggccccccc ccgccgtaag agcttcatgc ggcccatggg ggcttcttag   240

gcggaaaacc ccggaaaatg gcaaaggggg gaaaaaaacg gcccccgaac cccaaatacc   300

cccccttgaaa acccccccgag ccaagaaaaa ggccccccca aaaaggggggg aatgtgatgc   360

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3545

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tggaccttga gtgcttaccg tagtgtacaa ttttgaattg ctttgccaat attgctgggt   420

gaattgatac agtgggaggc aatcaatagt tgtaacttgg atattcttaa ggaaatgtaa   480

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accctaaaca acagcggcaa ccaatgcgta acagacacaa acaccaacat cttatcccag   180

ggagccttct aaccctctgt aagcccggat accgcaaagg gcctgatctg aacggagatg   240

ctcctaaaaa agaaacccac caacacagac tgcgaacagg gccaaaaaag gagggggaac   300

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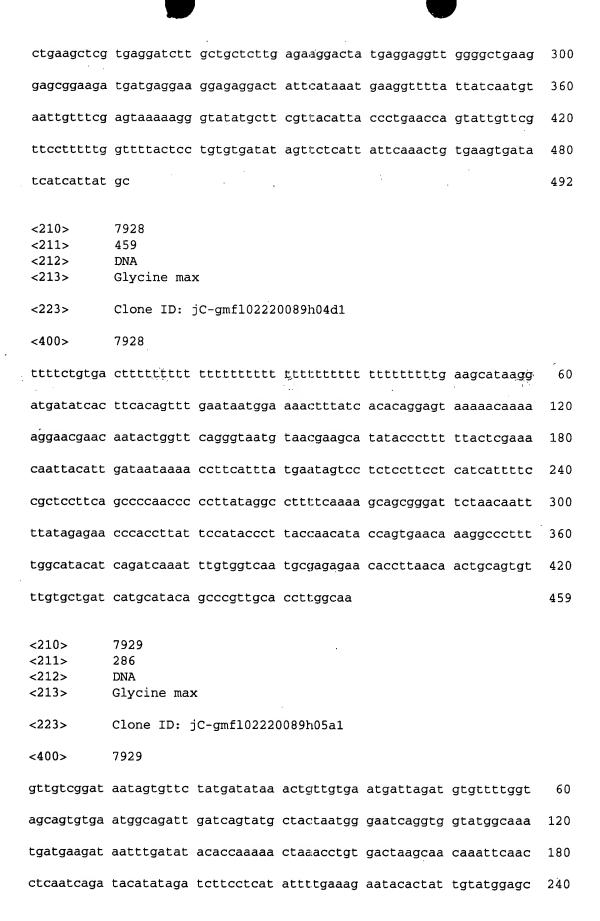<210>   7923
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3546

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accatgatga gcaagataga ttattaagta atcttaatta gtttaatttt gtgtgttgat    240

tcactctaag aacatttata tttaagattt ctgttagttt gtatcattta aggctcttac    300

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catattaatg aacacatgta agagccttaa atgatacaaa ctaacagaaa tcttaaatat    120

aaatgttctt agagtgaatc aacacacaaa attaaactaa ttaagattac ttaataatct    180

atcttgctca tcatggtcta ggcttcattc ttccttcatt ggccatcttg aagagctggg    240

cttgtgcttt tgcggccttg ttggagttga gtgaggccac aaacctgtcc ctgacttggt    300

tggtagtgta agggaacttg gtgttcacca tggagttgag gaaggaagct gtgccttctc    360

tgtagagtgc tcctagc                                                    377
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<210>   7927
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h04a1

<400>   7927

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ggactgttca gtttgttgat tggtgtccaa ctggattcaa gtgtggtatc aactaccagc     60

ctccttctgt tgttcctggt ggtgaccttg ccaaggtgca gcgggctgta tgcatgatca    120

gcaacaacac tgcagttgct gaggtgttct ctcgcattga ccacaaattt gatctgatgt    180

atgccaagag ggcctttgtt cactggtatg ttggtgaggg tatggaagaa ggagagttct    240
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ctgaagctcg tgaggatctt gctgctcttg agaaggacta tgaggaggtt ggggctgaag   300

gagcggaaga tgatgaggaa ggagaggact attcataaat gaaggtttta ttatcaatgt   360

aattgtttcg agtaaaaagg gtatatgctt cgttacatta ccctgaacca gtattgttcg   420

ttccttttttg gttttactcc tgtgtgatat agttctcatt attcaaactg tgaagtgata   480

tcatcattat gc   492

<210>   7928
<211>   459
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089h04d1

<400>   7928

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atgatatcac ttcacagttt gaataatgga aaactttatc acacaggagt aaaaacaaaa   120

aggaacgaac aatactggtt cagggtaatg taacgaagca tataccettt ttactcgaaa   180

caattacatt gataataaaa ccttcattta tgaatagtcc tctccttcct catcattttc   240

cgctccttca gccccaaccc ccttataggc cttttcaaaa gcagcgggat tctaacaatt   300

ttatagagaa cccaccttat tccatacost taccaacata ccagtgaaca aaggcccttt   360

tggcatacat cagatcaaat ttgtggtcaa tgcgagagaa caccttaaca actgcagtgt   420

ttgtgctgat catgcataca gcccgttgca ccttggcaa   459

<210>   7929
<211>   286
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220089h05a1

<400>   7929

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agcagtgtga atggcagatt gatcagtatg ctactaatgg gaatcaggtg gtatggcaaa   120

tgatgaagat aatttgatat acaccaaaaa ctaaacctgt gactaagcaa caaattcaac   180

ctcaatcaga tacatataga tcttcctcat attttgaaag aatacactat tgtatggagc   240

cattgagtaa ctgtgattac ttccgtaaac acggttaact tatgca   286

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<210>      7930
<211>      555
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089h05d1

<400>      7930

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ccagggagca gactgactct gggaaagcgg gcaggttatg gcggctgatt tatcgcaggc   180

ccagctgcct tcccgcacct ctcgagctcc ctgtgacctg gcttcccagc aacccctatt   240

ccccaaataa cctctggagg ggcttaatga ggggaggctg gatacctcca tcttccccac   300

tgccctctcc tttctcccat gtccacctct tgggagtgga atttatgtcg tctccccaga   360

gactgtgctg aaagtcaaga tgtctgagcc aaagactcct tagagatctg ctagtccaga   420

aagacaaatc agcagccctt tgctgttggt tttgttctgc ttctcagtct gcacagttaa   480

taaaaactaa tatatagact tagttgccaa caatttaaac agaaataggc tgcacactaa   540

aatctgattt ctgat                                                    555


<210>      7931
<211>      540
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220089h06d1

<400>      7931

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agggagcaga ctgactctgg gtaagcgggc aggttatggc ggctgattta tcgcaggccc   180

agctgccttc ccgcacctat cgagctccct gtgacctgtc ttcccagcaa cccctattcc   240

ccaaataacc tctggagggg cttattgagg ggaggctgga tacctccatc ttccccactg   300

ccctctcctt tctcccatgt ccaaacacct aaaacggaat ttatgttgac tcaccataga   360
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ctgtgctcca cgatgagatg tctgagccaa agactcctta cagatctgct agtccagaaa   420

gacataacag cagccctttg ctgatgtttc tgttctgctt ctcagtctgc acagttcata   480

aatataccgt ctccgaatta tgtgccaaca tttaaacaga aataggttgc acattaaaat   540

<210>   7932
<211>   406
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h07a1

<400>   7932

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agcccatcaa gcagattatt aacacttgta tgaatgatca gaaggataag ctgtggccta   120

tgctgcaaaa gcttggggtc accatgaaat ctgaggagaa ggacctcatg ggtaaagcat   180

tgatgaagcg tgtcatgcaa acctggcttc cagcaagtag tgctctattg gaaatgatga   240

tatttcatct accctcttca tcaacagccc agaagtatcg tgtggagaac ttgtatgagg   300

gacctcttga tgatcaatat gcttctgcta tcagaaattg tgatcctgaa ggtcctctga   360

tgctctatgt cttcaagatg attccaacat ctgataaggg gagaat   406

<210>   7933
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h07d1

<400>   7933

caagcaaaat tcgcaaaata ataatttgaa ccaacaccga tgcaaaatcc tattagagca   60

aaaatacatc gatgcaagga ccaaataaca gcattacaac attcacgggc aaaaccacaa   120

acaaaactaa cagaaattaa atctaaagta gcattgttca caagagaaaa taaattcgac   180

taagttcaaa gtaaaataat tcatgaaaca aatttaaagc ttgtcttcaa actcggagag   240

aggagtcatc tgttccttca agcccttcct tttgcgaatg tcagtgacaa gctgtgcagc   300

ttgtgatcca gcctccaatg ggtcagaaga catcatgtcc cagtgatcaa acacacattg   360

tgggaaggcc tggcctgatg ttgcagccct taatgtgctc gagaaacc   408

3551

<210> 7934
<211> 508
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089h08d1

<400> 7934

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aaatagcaaa ctactcgaaa agtggcagaa tgtttgagaa cagaataaca aagcagttag   120

ttgtaccacc atgctttgcc agcttcagta aaatgacaaa catcagatct attctctata   180

ctaatctgct caagacaagg aaaaaaaaca cttctcaact ggatccatca tccaatacca   240

gatccaaatc tgttcgatac atgaaatgac ctggcaaaat gagttacaaa ttaggggtga   300

ttcagttttg cattcaatca aagctacaga tgaaaagtgg gcaaaaagaa aatacatacc   360

acaagtcacc gtatttcaac tatccacgtt aactaaaaat attgctcgat atccaaaatc   420

ccaggaatca tcaaaatagc atatgttagc atttgattct ccttttttta ttgaacttcc   480

taaatcccat acaagacact aacatcta   508

<210> 7935
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089h09a1

<400> 7935

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gagtcccgat gccggagcgg cgggatccgt ttcgagctcc gtcgccatga tcggagcttc   180

ggttgtgctg tcattgatgg ctatcttgaa gcattgaatt cgttaatttc gttgggtttg   240

tacaaaattg attcgtttta tatacagagt ggtgattatg agctttggta tctatactta   300

taggtatacc ggagagagat tatacagtat ctaatatact tattgttatt ggtttagga   360

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tgttatgtaa taatatattg cgattgatga tttatatat   459

<210>   7936
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h09d1

<400>   7936

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gtgaaaaaaa aacccggccc aacggaaagg aaaaaacccc tccaattccc cctaagccct   120

aaaacaaaac acaatcacac ttttaaaacc cgaataaacc ctccccgcgt tccccaaaac   180

tataaacccc caagcccaaa atccccccccc tgtttataaa acaactcaat ttttaccaac   240

ccccaccaaa ttaaccaatt ccaggcttaa aaaaaccccc caagggcacg ccaacccaag   300

cccccaactt gcaaaccgcc ctcaaaacgg atccccccct tccggctttg gaacccggga   360

cccggaaaag gccctgcccc ttgccggcgg caaaaaaaaa agcccccccc ggaaaaa   417

<210>   7937
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h10a1

<400>   7937

gtcaatactc attggattag taaatgctta gaatcaagac attatacaaa acaacccaaa   60

agaaacagaa aaaaggtatc tcactaaatg agtaacatgg ctgcgcctta tgtattcata   120

caaatcatta gctgttatac aacacaattc attgggtgaa acaataacaa tcaggtgagt   180

tctaattctc cctttttgctt tatgtctaag ccaattatca ctacttataa ctcttacttc   240

caaccattgt gcagaatcaa actatagaag ttacaactac aagtcatgaa agcaacgaag   300

aattgcttca tctaagctgc atatacactg cactctatac tttatcttca ttaaaggctc   360

catctgggga accatgcatt attttta   386

<210>   7938
<211>   586
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h10d1

<400>   7938

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caaactcaac caattttgga tcctaaccaa ccctctcatg tatatcatct ggctttggat   120

attggaggat ctcttgccaa gttagtatac ttcacaaaag atgatgatca tttggttgat   180

ggcgaggagg gaatatctca tagaaaggct ttggaaaaat ccaatggcag taagcaatat   240

cctgttctaa atgggaggct caattttaag aaatttgaaa caagcaagat aaatgattgt   300

atagagttta tcaagtccat gaaacttcac attggaggta gtcagccaca agaaaatcct   360

ggaagtcagt caatagctat taaggccaca ggtggtgggg cgtacaaata tgcagacctt   420

ttcaaggaaa gactgggaat cattttttgac aaggaagatg aaatggattg tcttgttgca   480

ggagcaaatt ttcttcttga ggtggttcac caggaagcat ttacctatat gggtgatcaa   540

aagcaatttg tgcagattga tcagaatgat ctgtatccct atcttc   586

<210>   7939
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h11a1

<400>   7939

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catccagact gttgtcatgg atgttccagc agctgagcat gatgggaagt gcaagtgtgg   180

cactaactgc acttgcacgg actgcacctg tggccattaa ggaatatgta tgaaaatgta   240

attgccatgt gtttggcaat acaaatatcc aaataatgta atcttcgcat gaataaatgt   300

gtgtgctgtt atcctacttc aggtcttggt agtcatgcca tctgaataat ttaaggtcct   360

gtctagttaa tatacaacca atggtgtggc attctatggt ttattagact aaacaagcgt   420

aaatttaccg tcaataattc c   441

<210>   7940
<211>   458
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h11d1

<400>   7940

actacgcctt tttccataca gttttactat actctttaga cccggtttat ttttctcttt   60

cgaactatca tggttttttgc ccaatcagta taccgcggat accccagtac aaactcgtca   120

tcgtcggtga cagcggcaca ggaaagacaa cgtaagtgaa aaggcatcat accggggaaa   180

ccagatgaat acaaccaacc atgagagagg tcatacgaga ttgatgacag cagcggacag   240

attcgcttct actggtggga gacagctgga catgagaagc taggaggccc cacacatgga   300

gatcatatac atgggcaatg cgcgattata atgggtgaag acactgcccg tctaacatac   360

aaaaatgtcc ctacctggca ccgggatctt tgccgggtct gtgaaaacat gccaattgtg   420

cttttgagga acaaggtcga tgtcaagaac aggcaagt   458

<210>   7941
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220089h12a1

<400>   7941

acttacacca cttgctgaac gtgtgagctt catcacagaa caagttgcct tttacactgg   60

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aatatttgcc cttagcagta acaaaattgc tgtggtcaag tattctctgt tgggttctat   180

tctttcaaac cttcttctgg ttcttgggac ctctctatta tgtggtggca ttgcaaacct   240

taaagtggaa caaaaatatg acagaagaca agcagatgtg aactcactta tgctgttgtt   300

gggattgttg tgctacttgc ttccaatgct gttcaaatac agtggtgcct cagctgctct   360

cactgtagac ccttcactcc acttgtcaag agcttctagc attgtgatgt tgattgcata   420

tgtagtctac attgtctttc aactgtggac acacaggcag ttatttgatg ccgaagatga   480

gggtgaggat ggtgaggacg gtgaagaaga acaagctgtg attggattat ggagtggcaa   540

ttgcttgttt ggtaggga   558

<210>   7942

<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220089h12d1

<400> 7942

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caagaagaaa caagcattaa tagaattttt atttctcaca caataaatac aagagattct   60

gcaaactgaa aaagggattt cttactaaag caaactcaaa caagaacaac ttccactcat  120

ttggcatcta ccgtagtaga acaggatcaa aagcagctct ctgatagaac acacgtatgt  180

attatattga acatcttgca cagtggttca tttctcacag ctattgcaac ttaaaatact  240

tgcaaagctt ctgcaaattc caaactttct ttttctccct tctttatgga tatgacaaag  300

tgatcagatc atgaaacaat aatcaatcca ttgaatttga atctgatttt tggtttggat  360

cgatgccacc attcttcatc ttaggaaggg acaacaaata ggccaaagcc tactaattaa  420

gcgcttaaaa ctgcattagt ggttggttta agtgtgatgt tagtatcatc agcttgatta  480

tcaaagggtg ctctttgtac gaagaagcat gccccaataa caatgtagca cagc        534
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<210> 7943
<211> 306
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090a01d1

<400> 7943

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accaaaccat ccttcttttt tgagcttgat gaacattatg ccatcacttg gttaccaatg  120

ggaggctaat aattcagctc atgatgttaa tattggtcaa tggcaaaacc atggatttct  180

taaccaaaca gatgtacaca gcatcaatgt ggttccattt ccatcaacat tggctctatc  240

aactgggagt gatactacta ctacttctca gattttggtg tgtcctcctc atggagcaac  300

aacaca                                                            306
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<210> 7944
<211> 534
<212> DNA
<213> Glycine max

3556

<223>   Clone ID: jC-gmfl02220090a02a1

<400>   7944

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gaacaatata gatcagactc caaaacagtt aaccaacaag cttacttta tgccagagac   120

ctcgaagtcc atcccaagga cacatttgtg ttcagtatag atggcaccgt actctctaat   180

attccatact acaaaaacat ggatatgggg tggagaaatt taactcgacc ttgtatgatg   240

aatgggttaa caagggcaat gcaccggcac tgcccgagac tcttaagaat tacaacaagc   300

tggtgtctct tggcttcaag attatattct tgtcaggaag aacactggac aaacaggccg   360

taacagaagc aaacttaaag aaggctggct accacacatg ggaaaaatta attctcaagg   420

atccacaaga tccttccact ccaaatgcag tttcatacaa aacagcagcg agagagaaac   480

tgataaggca gggatacaac attggtggga tcattggaga ccaatggagc gatc   534

<210>   7945
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090a02d1

<400>   7945

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ttaccttcca agagatgaag catttggtca cttgaagtca tcagattttc tcgcttatgg   120

aatcaaatct gtatcccaag atgtcttgcc tgtcttgact gatgcattcg atggaaatat   180

tttgagcctt gagtttgata attttgctga agtgcacaaa ctctatgaag gtggagttac   240

actacctaca aactttctta gcaagatcgc ccctatacca gtgatcaagg aaattttcg   300

aactgatggc gaacagttcc tcaagtatcc accacctaaa gtgatgcaag tggataagtc   360

tgcatggatg actgatgaag aatttgcaag agaaacgatt gctggtttaa atccaaatgt   420

cattaagatt atagaggagt tcccactaag tagcangcta gatacttcaa gcctatgtga   480

tcataccgt antatagcan aagaacattt ggagcctaac tangtgggct cactgtga   538

<210>   7946
<211>   576

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a03a1

<400>   7946

gcaggtttct tgtcttccgg tttctggtag atcaccactt gggttgggag aaaagaacag   60

acaatggaag cgagttgaga gctacctcgg ttgaacatca tcgaatcgaa taatcacttt   120

tacacatgac ttatccttct attccgattt aagccctaa acgaactatc gaagccactt   180

caaaaactac tcttagattg cttcgatggt cgatcactac aacaagctgg ttaaactagc   240

ggcgagggct ttctacgatg atctaacgag taaaggagag aatcaaccca aatcgggaag   300

gagtgataac agaggaatcg ctgtggtgat tctcgacgct ctcacaaggc gacaatgggt   360

ccgagaagaa gacttggcaa aagatctcaa attacacaca aaacagcttc gccgaactct   420

ccggtttttt gaagaggaga agatcattac tcgagaatat aggagagaga cagcaaaagg   480

agctaaaatg tatagtgctg ctacagctgc tacagttgat gttcagctga ctggaaaaga   540

gggagaagac acgtcaagtc gcacacgcac tcttac   576

<210>   7947
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a03d1

<400>   7947

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cggactaacg cggcaaatca ggcatgctaa atacagtttt ggctaccagg aatgaaataa   120

gacaacttct ccaggaatga aaaaaaaaat aaaaaatctt accatgcatt atttaaatgt   180

gtatggcaac gattattgca ttggtaaact aattcaattg ataagtgat gccttacaaa   240

gaaagccatt gtagcacgca ttcagtagta caacaaagca ttagatttta cttcccccag   300

aaacaccaaa ttaaacttct ggtagaaaaa atatatattg taatcgagtt cccaccgtt   360

gaggccgccg gaaatataac tgaatagtag cattattgtg aggagacatc agtcatataa   420

ctgctgccat ttgttgaata taagtatatg ccatcaaaaa ttatattttg tgaaccttac   480

<210> 7948
<211> 588
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090a04a1

<400>   7948

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gtccttactt atatgcggat gatctgattg aagtcttgaa gaaaaaacat gcttctggaa    60

cgtataaaaa cctagtattt tatctggagg catgtgaatc tgggagtatc tttgaaggtc   120

ttcttcccga agatatcaat atttatgcaa ccacagcttc caatgcagaa gaaagtagtt   180

ggggaacata ttgccctggg gagtatccta gtcctccccc agaatattca acctgcttgg   240

gtgatctgta cagtgttgct tggatggaag acagtgacag acacaattta cgaacagaaa   300

ctctgcatca acaatataaa ttggttaaag agaggactat atctggagat tcatactatg   360

gctctcacgt gatgcagtat ggtgatgtac ggcttagcag tgatgttctc ttccattatt   420

tgggtacaga tcctgctaat gataatttca cttttgtgga cgaaaactcc ttatggtcac   480

cttcaaaacc agtcaaccaa cgtgatgctg atctcatcca tttttgggat aagttccgca   540

aagctcctga gggttctctc angcaaaatg cagctcagaa acaagttt               588
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<210> 7949
<211> 543
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220090a04d1

<400>   7949

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tgtttttttt tttttttttt ttacaaataa taaatacaat gtcgccatta atattaaaca    60

ataactttga catcataaat tcttccaaaa taattataca aaagtgacaa gggaaaaccc   120

gatctgccag ttgcctactg aataaaaaca cacatcatta ctatgtgttg gcatacacgc   180

atgaccttgt gccttgtcat gagtgaatat tccaaagcaa ttggtccttt atgcctcctt   240

aatccttatg ccacaaaatg ctatcatccc ttgaaagttg taattgcttc ttcagaaata   300

gatttataca aaggtagttg caatatctat ttgccaaact aaaaatgtaa agacccttct   360

tcccaatcct agtagtgtcc caattgtatt tacaaaggcg ggacaaaata tgtatataca   420
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agtacaatca tatagcataa tgtaacaata atcatacttt ggtctttact ggtgcacatt   480

acaggaatta ttatgcactg aaaccccttt gcagagaact ccaaggattg gaaggaatag   540

aga   543

<210>   7950
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a05a1

<400>   7950

cacaacgcaa ccgttgtccc tccccttccg ccgaggaaca caaacaacaa cctcaactta   60

acgcattgtg tgcatgatgg aggagatgaa agtttctcgg cgggtggagt ggtggcagaa   120

catgatgttc cccgttcgga gggtttggtt tgtcgttgcc aagcgcctcg gcattcgcaa   180

aactgggtta ctgaagctaa gtaatgatgt gagggcatgc gaatatgagg acattcaagt   240

gatgtgggag atactaaaca gaaacgaatc agagtttggt cgttcttcta gcactaggaa   300

aggcaacaac aagaaggggc attgctggaa attattgagg tgggcaaggt gtgctccatg   360

catgtgccgc acatgatcat gattgctgtg tacgtgagaa gaaaaaaatc caacctatgt   420

gttggtgtgg tttttgctgc ttcaatcatg aataaaaaaa aagggttctg aagggtttgt   480

gtagatcacg gttcttcttt ccttttgaat caaccaactc aaccatatgt aaatatcaac   540

tgcattcacc aagttcgatg tgtg   564

<210>   7951
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a05d1

<400>   7951

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tacaaaaacc aagctggaat taagcctgag atagacacga ttcatggatc tctaaaagca   120

atacatgaac gtctggttga acacatacca agatgatgat gatgatgatg aaacacagca   180

gaaactacac atacaacaat ttcgatacca cactaattaa gcacatggat ggagtatgag   240

                              3560

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atggtcacac acatcgaact tggtggatgc agttgatatt tacatatggt tgagttggtt    300

gattcaaaag gaaagaagaa ccgtgttcta cacaaaccct tcagaaccct tttttttttat   360

tcatgattga agcagcaaaa accacaccaa cacataggtt ggattttttt cttctcacgt    420

acacagcaat catgatcatg tgcggcacat gcatggagca cacc                     464
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<210>      7952
<211>      361
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090a06a1

<400>      7952

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gctcaacgat cctctcgagg ccatcgatcc cgagatcgcc gacataatcg aactcgaaaa    120

ggcgcgtcaa tggaaggggt tcgaacttat accttcggaa aatttcacgt cgctgtcggt    180

gatgcaagca gttggatcgg tgatgacgaa taaatacagt gaaggatatc ctggtgctag    240

atactatgga ggaaacgaat acattgacat ggctgagacc ttgtgtcaga agcgtgcact    300

tgaagctttt cagctggatc cagcaaaatg gggagtcaat gtgcaatcat tatctggatc    360

c                                                                    361
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<210>      7953
<211>      513
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090a06d1

<400>      7953

aagaaatcaa cttttgacat ggacaattct gaatacatga ctgaggatcg caaacaacag     60

gtcctaaacc accaaataga agcataatgt tgatcacttc acagtttgaa taatggagaa    120

ctatatcaca cagcaggagc aaaaacaaaa aagaacgaac aataatggtt cagggtaatg    180

taacgaagca tatacccttt taactcggaa acaattacat tgataacaaa aaaaagcctt    240

cgattatcaa tagtcctctc cttcctcatc atcttccgct ccttcagctc caacctcctc    300

atagtccttc tcaagagcag caaggtcctc acgagcctca gaaaactccc cttcttccat    360
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3561

accctcacca acataccagt gaacaaaagc cctcttggca tacatcagat caaacttgtg   420

gtcaatgcga gagaacacct cagcaactgc ggtgttgttg ctgatcatgc atacagcacg   480

ctgaacctta gcaaggtcac caccaggaac aac   513

<210>   7954
<211>   295
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a07a1

<400>   7954

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tgtattaacc ttggtattgg attttctac gaaaatgggt gatttacatt ggaaatgaaa   180

gatgcctagt tccaaaacac caggactctt tctctgcgac aacaagtcct taccctcttt   240

ggtactaccg ttcgggacca cagatatcta tgccgtcgct tctttcgttt gcgcc   295

<210>   7955
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a07d1

<400>   7955

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tccaagcttg gaaaatacgt tggttcaagg aaaatctgag tcaacgagtc agccgaatcg   120

caactcaacc caactcggtt accgttagcc tctgaacttc ccatcaccac cgtcaacacc   180

tgcttatacg cgtagaagaa tctcttcatc gccgtctaaa tcgcctgcat tgcctgcaac   240

aagtgaacct tctcgaactc gctcttcgaa acgtagagct tcatcgccgc ctcttgaatc   300

cttggtcctc cctttggatc cacctacacc tgcaatatct gcggcacctt gtgcctcaga   360

tctctgcaca tcttcgtcag ttccactaac tcattcgatc tgaagcagaa cgatgccgtt   420

tcgccgctcg aggatttcac cgagagttga ttc   453

<210>   7956

<211>   473
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090a08a1

<400>   7956

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taaccttcct ttcgatcctt cacctcgcag ataatgggag aaacaaagga cgaagcatac   180

gaggaagagc ttctcgatta cgaggaggaa gacgaaaagg ccccgactc cgccggagct   240

aaagtcaacg gcgaagctac caagaagggc tatgttggaa ttcacagttc gggattcagg   300

gacttccttc tgaagccaga gcttcttcgg gctattgtgg actcgggatt tgagcatcca   360

tctgaagtgc aacatgagtg cataccacan gcaattctcg ggatggatgt aatttgtcaa   420

gcaaaatctg gaatgggaaa gactgctgtc tttggtctct ctactctgca gca   473

<210>   7957
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090a08d1

<400>   7957

gcgggccgcc cttttttttt ttttttttt tttttttgaga gcaagaaaca agcttacttc   60

acaagattat acaacttatt agttaagcaa aaattactca tgctctcgta gaggtatttc   120

cagatcatga cagagacaac gcaatccgga agcaagactt aatagaagta ctactaagta   180

aaaaataaaa taaaagccct tcatagttaa catatccttt aactttgtgt tttcttgaat   240

ctaaagcaca ataaaaacat taaacacccа tagtggatac tcaaaagtat agtgaactct   300

ttactttgcc aatgatccaa gctcatggct cgaagttctc atgttcatct tcaaactcct   360

gctggttctg gttcccgttg tagttgccac ctctgttgtt ggaccagttg ttagtgttca   420

cttcccttga tgagtcacca tagtttggtg gattgtactt ctcggcggca acgtcatgaa   480

agtattttcc acccttcaaa aaccttgtgt cactcattc   519

<210> 7958
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220090a09a1

<400> 7958

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aatctgaagt taatattcaa atgatcaaag ttgaaaaaaa tgcacacaca tgacctctat   120

ttatagccta agtgtcacac aaaattggag ggaaattcaa atttcacttg aatttgaaat   180

tgaatttgtg gagccaaact ttggagccaa aatttcacta attatgatta gtgaattta   240

gttatggttc agcccactaa tccaagatca attccaagat tctccactaa gtgtgcttag   300

gtgtcatgag gcatgaaaag catgaaggac atgcacaaag tgtgactata tgatgtggca   360

atggggtgta gtaagcaaat gctcacctnc ccctctaaaa tttaattgga ttgggcttct   420

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aattacaaaa ctaccccctaa tacataaact agtctaggtg ccctaaaata              530
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<210> 7959
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090a09d1

<400> 7959

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caggtataca gtagctttct cttagtgcaa cctgctcatg gagtacaatt tgtagatcct   120

tgaacaagtt attctgtata aatcgattgg tgtcaaaatt tacaaatcaa aaacaaataa   180

aagaatctgc atcactactt gtttgatttt gctgagtagc taaaaattca gttaaagcat   240

ttcaagaaaa tgtctgcatt agtccctttc cttccagtaa ctgttggaat catgagaact   300

ctaacccaca ttaggtaaac tacatcttga agattctgct ccacccaaca accccatggg   360

actagagatt atctttaaac cactttaaag ctccatttgc cacagatcca gcaaagtcct   420

tcaatttatt ccatacatcg ttttcatctt ctgatttttc agttttttct tcgact        476
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<210> 7960
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090a10a1

<400> 7960

agctcaaaat gacttttgc attccaagca gcacagcgct agtatagcaa acattgctaa   60

acgtttatca tgttatcatg accaaaaatg ctacgatatt ctccacggag gtataagctc   120

atatagctaa ccacctcaaa aagccaaaaa ctcatttctt ataatgaatg gagtaaactc   180

ctactcagt   189

<210> 7961
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220090a10d1

<400> 7961

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tggtggggac cgaatctaat ccgccaaaat tagctagcaa ttgtctctac atgtaccaaa   120

cataacccag aaaaaacacc tcccaattaa ataaatccaa acaccttcta cccccctaacc 180

aaatatccct tctatcccta caaaactgct ggctgctttt tagctctctc tgaaacagcc   240

taaaaaacag attaattttt taagaaagga acattgtca atcacaagaa ttgcatttac   300

aatcaatttc cctcaatcaa gctcttcaat ctattacggg cctcttcaga caaactgcaa   360

gctttgaatc ttctccttng gggtggacat gattcaacaa tgctttcaat gggcgacaag   420

catacaacaa ttacagtgag attatctgat gtatttaggc gcaatgcttc cttgactagc   480

tctccggcac attgctgtgg gtcatcatgc   510

<210> 7962
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090a11a1

<400>   7962

cttattttta ctggattgca tattgtaaat agtttcatta acccgttgtt ctactttcat   60

caaccagaag aactaactcg gcgaaaaaaa acccaaataa aaaggagaca gacatgagcg   120

attatctcaa agagaaagga ggtcccaggt tggttatcat gggagagacc aaacaacttg   180

ttaccctttt gacacgattt caagcggcaa tgaaaatgat caaggacata gtggaaaaaa   240

gtagatcgag taaaaagagc aaacgattac tgaggaaaac cctcaagaat atgactcctc   300

tgctgcagga aatcaatcaa tacaatgaac acttggaacc accccgagaa gaaatcaaca   360

ctcttatgaa agaaaaagat gcagtggaag agcttgtgtg ctattcctgc tccaggagta   420

tttggtggac caaatttctc tcttggcttc cgctctacgg ggacggactt tggcataaca   480

agaataatcc ccttgctgca gatgacaacc aagttaagta tatcaaaaac acactgtatg   540

aggtgaaaga ggttcttgag cttctagaca tagagaattt cagca   585

<210>   7963
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090a12a1

<400>   7963

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ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gcccccgaag   120

tcgggagggt cagcatgagg aagaccgtca ccaagcaggc ctcctccgga agcccatggt   180

acggcccaga ccgcgtcaag tacttgggcc cattctctgg cgagcccccg tcctacctca   240

ctggcgagtt cccaggtgac tacggctggg acactgctgg gctttcggcc gacccagaaa   300

ccttcgccag aaaccgtgag ctcgaagtga tccactccag gtgggccatg ctcggggcct   360

tgggctgcgt cttccccgaa ctgttgtccc gcaacggggt caagtttgga gaagctgtgt   420

ggttcaaggc cgggtcccag atcttcagcg agggtgggct ggactacttg ggcaacccaa   480

gccttgtcca cgcccagagc atnctcgcca tctgggccac ccaagttatc cctaatgg   538

<210>   7964

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<211>      343
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090b01a1

<400>      7964

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ggtggttctc ttgtctacca aaaatttgcc aagacttgtg actgcggttc acctagatca   120

actctgaagt gctggaaaga ggaagatgaa gaagagtagt tttcttaagt gtctttatta   180

tgtccttgcg aaaataagtc cggttttcca gacagtgatt gcttttcttt ggtgttcttt   240

ccctttttatg ttagaccatt gttagggcgt ttggaccttt tattgttcta ctattaccat   300

ttgaacatcg aatggatttt aataaatcac tttgtatgcg tgc                     343


<210>      7965
<211>      315
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090b01d1

<400>      7965

ggcagaaatc ctttctatgt tgcttaagaa gttacctact tatagcaaga gaatctagct    60

ctattggttg tgtaaggtaa aaaaaaaaaa cgcataacca tgtcaaccaa attgattgaa   120

acaagcctta gccttatggt atggcttgta attgcaacat cagcaatagc acaatctgat   180

aacccccccag ttcttgacac agaaggccac cctcttgagc ctggcagaga ttactacatc   240

acaccagcgg taacagacat tggaggccgt gccactatag tagacaacgg cacatgccct   300

ttatttgagg tcaag                                                    315


<210>      7966
<211>      590
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090b02a1

<400>      7966

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3567

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actttgctgg tgttccctat agggaaagat gaaattgaag tctaagaaag gatggaaatc 180

tattgtacca cttcgttga aaggaaaatc agcaacccat tttttgttat ttcgcaaagt 240

caattctgct ggctatggac ctggcaaaac accagtttat ctgaatgtgt atgacatgac 300

acccatgaat ggttatgtgt attgggctgg tcttggtatc catcactctg gtgtagaagt 360

tcatggtgta aatacgcgt ttggagctca tgactaccca acaagtggtg tttttgaggt 420

tgaacctcac caatgcccag cttcaagtt caagaagtca atattcatag gaaccacatc 480

tttggattct actcaggtta gggagttcat ggaacgccag tcagcaagat acaacggtga 540

cacatatcac ttaattgtca agaactgtaa ccacttctgc aaagacatct   590

<210>   7967
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090b02d1

<400>   7967

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tgatgttggg aaaaaaggtg tggcctttac tctcattgga gaatgtctga atctgcttgg 120

cactgtcgtt gaagttgaac catgaaaaaa ttagcttttta taagaggcag taatgtgcct 180

ttgggaatgt gagcatgatt tgcaaatggg gttgctctga atagtttcac aagagctctc 240

agcctctcaa gaaggaaaaa aaaggccttg gtttttttttt tttggagaaa gtgagaatga 300

aaaaagggca agggaatttc ttttcaacat tttttttttat tccggaaaaa agtttttttt 360

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<210>   7968
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220090b03a1

<400>   7968

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atcacttagt tgaattgaat tatcttcaaa atgagagaaa tccttcatgt tcaagctggt   180

caatgtggca accaaattgg aggcaagttt tgggaggtga tgtgtgatga acatgggatt   240

gatgccactg gaaattacgt aggcaattcc catcttcaac ttgagagggt taacgtgtac   300

tacaatgaag caagtggagg acgctatgtt cctcgagctg tgcttatgga ccttgaacca   360

gggaccatgg atagcttgcg ttctggtcct tttggaaaaa tattcagacc tgataatttc   420

gtgttcggcc aaaatggagc tggtaacaac tgggctaaag ggcattatac tgagggagct   480

gagcttattg attctgntct tgatgttgtt cgaaaagaag ctgagaactg tgactgcttg   540

cagggggttcc aaatttgtca ctcact   566

<210>   7969
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090b03d1

<400>   7969

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aaaaatacta ctcaccccac atctcatatg tacctagcat taactataca aacacatcct   120

ttcctttcct ttcccttacc atcaccatat ggcatatacc aagtgttttg atttgcattt   180

ctcatgacat cactagaaat cattaaatag taataatttt gatcaatctt cacattgcat   240

ctaatcaaaa tttgttattg tatattaaaa attttgatta atgtaacagt gaaaattgag   300

tcgaccatga tgacgtggta atctagatta tataataatt tcttccggag aggctttaat   360

gaggctctca tgcagccatg gcttcctcgt catcgatctc gttctcgcct tcttcgctgg   420

cggcggcgtc ttgatactgt tgatactctg ccaccaagtc attcat   466

<210>   7970
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090b04a1

<400>   7970

3569

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agcccttttc attttttttc cctctattaa cttttcattt acaaaccatt tatttacccc      60

acagttccgg gtatattttt ttcttctttt ccttttctct ctttatccac ctcacaaatc     120

tctatccctc caacccctaa atatcccccg actaccacat ccttcaacaa aacaaacata     180

tcaccaacca cacacactct atctctcaca ccaaacaaaa cgctcactgg atcaattcac     240

acagctatag caactaaaaa tactagcaaa gcttccgcaa accccaaact accttttcct     300

cccttcttta tggatatgac aaagtgatca gatcatgaaa cattaatcaa tccattgaat     360

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aataggccaa agcctactaa ttaacc                                          446
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<210>   7971
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b04d1

<400>   7971

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cctttttttt ttttttttaat gtcttggaaa catgcattta tcataacagt tactatacct     120

agagcttaac agtaagagta accttgtttg aacgaaaagt gtgaaggtga cagcctccat     180

aaggaagacg aaattcacaa ttcatatgta taaatcagca aaccttgcta ggaaattaag     240

cacaaatttc aggtcaagtc agcagctttc gtgcaatagt aaagtcctga tcaacttcct     300

ttctggatgc ttcccaaagt cgatgttcaa tccccaattt cctcagttca gaaagtccct     360

gctcagcatc aacggcatca tgtgaggtag gtgaatgccc acttcgacca atccaaaacc     420

gaagacgttc tttggcaatg tcctcctttt accatgagcc ttggctcttc tccaaaaata     480

t                                                                     481
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<210>   7972
<211>   578
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b05a1

<400>   7972

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gatgtttggg atcttcgaca aggggcaaaa gataaagggg acagtggtgt tgatgccaaa   120

gaatgtgttg gacttcaacg ccataacctc catcggtaaa ggtggtgtta ttgacacagc   180

caccggcatc ttaggccaag gcgtcagctt agttggtgga gtaattgata ctgccacttc   240

cttcttaggc cgtaatatct ccatgcaatt gatcagtgct actcagactg atggcagtgg   300

aaatgggaaa gttggaaaag aagtctattt ggaaaaacat cttccgacct tgccaacgtt   360

gggagcaagg caggatgcgt tcagtatttt ctttgaatgg gatgctagtt ttggaattcc   420

aggagcattt tacatcaaaa actttatgac tgatgagttt ttcctcgtca gtgttaaact   480

cgaggacatt ccaaaccatg gaaccattga atctgtttgc atctcatggg tttacaactt   540

tcaggagtac aaaaagaatc gcattttctt tgcaatga                          578
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<210>       7973
<211>       518
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220090b05d1

<400>       7973
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acaaagtgaa agtgagaaca cactttatta tatgaaaacc gagagcatcc aaatacaata    60

gtgcagaagt tcaggcaata attacgcata gacatgcata aagtctatgt tattcagaag   120

tacaacatag ataaggaaac cacaaactct ttttaattag atagagatac tgttgggaat   180

tcctttgaaa gtcaaccctt cctcacttga acgatggagc aaagtgtatg gcagctgaac   240

tggcccagtc cggtttctca gacttggatc actgttcctt gcattgattt ttccttcaat   300

tccagtcagt ttgcttccaa acctttgaa agcttctaat gccttcttat cagtagtcca   360

atttggagtc tccctctctc caaggtatat ctcatcagaa gcatgccttg acaatatctc   420

tatcactgaa agatcaataa gggtctcaaa cttgggtgtg attgttctca gataagcctt   480

ttgaggattc ttcaccatct catcatactc tggggttc                          518
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<210>       7974
<211>       341
<212>       DNA
<213>       Glycine max
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3571

<223>   Clone ID: jC-gmfl02220090b06a1

<400>   7974

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gaggaggagg caaatgtcaa gcctccaacc ccattgacgc ttgctggaga tgcaataaag   120

actgggccaa tgaccggttc aggctagcca agtgcggcaa agggttcgga agacgggcca   180

ccggcgggct cggtggtccc atctatgtcg tcaccgataa ttccgatgac gacatggtga   240

accctaagcc gggaactatc cgtcacgctg tcacccaaaa aggccccttg tggatcatct   300

tcggacacag catgatcatc agtttgaggc aagagctgat g   341

<210>   7975
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b06d1

<400>   7975

cgattaatta tggaaaggta gctaggcatt aatctgcgtt aaaaacagaa tccattaata   60

gaaaaataat tgtccaactt caactagctc aaacactcga gtctccaaaa acaggagaag   120

atctacaccc ctgaagcaaa taatcttttc cttttcttaa aaggaagaaa aaagaaaatc   180

ctgaaaacag agtgcaccta aaatgaaact aagcccaaaa tttatctggg gggatgatga   240

tactaaacag ggcgccactt taaaataaag attcaaccat ttcaagtttc tcgccttggc   300

ctccgacgcg cagcattaga tgcttcctct ttctggttct ccttctcttt ggttccttca   360

ttctctccac taccttggtt attggaagct tctgtgcgtt ctggtttctt ctccaccttt   420

gcaggtttct tgccaccaaa tatgagtctg aagaaaattg acacgaagac aaccagaaca   480

gctacaagaa ttcca   495

<210>   7976
<211>   289
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b07a1

<400>   7976

aacaacctaa acaaagggga tgttgcccgc aaagaagacg tggaaagggt cctccgcggt 60

tccgactgcg tattccacct tgcggccttc ggaatgtcag gcaaagagat gctccaattt 120

ggtcgcattg atgaagtcaa cataaatggg acttgccatg ttatcgatgc ttgcctccac 180

ctcggcatca aaaggcttgt ctactgtagc acaaacaatg ttgtctttgg cggtcaacag 240

atcatcaacg ggaatgagac attgccctat ttcccaattg atcaccatg 289

<210>   7977
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b07d1

<400>   7977

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cgttatgatt tgtatatatc agaataacaa aatatacata aactgtaatt tttgtttttt 120

taccggccac aatgataaga ttttatttct atcataattc tatgtgtttt ggaaacacat 180

tgggcaccaa tacagaataa tcaaaagggg gcttaattta tccctctctc ttttcaagcc 240

ttctccttag atggaactgt tccatctgtt cctgcaagca ttgcatattt gctcttccta 300

gtcaaattgg tgcactcaaa tcccaaagtc cctgcaagaa ccctttgaat gtagtttgca 360

acttcgatcg ctgatttccc tccactgcat gtgagctcct tgggaagctg gttcaagaaa 420

gtgatctcat atgttggcat aggattcatg aacacaaagt aggggtccaa caac 474

<210>   7978
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b08a1

<400>   7978

accatcaaaa caaaaaacag tactcatcaa aaacaaacag caacgaaaat gttaccgccg 60

atcaagaacc cagttttgaa ggctacggct acatgaaatc ggcggacact tcaaaatata 120

actggtaaaa caaacaccta agactctgca aagataaact actgtaaagg aacaagtttt 180

tttgaaacca cgttgatgat cacatgtgct agcaaaattg ccaaaatgca atcacttctt 240

3573

cttggcggca gcctttgtga ccttggctcc ggtgggggtct ttcttctcaa cactcttgat   300

gactccaaca gctacggtct gacgcatgtc cctcacagca aaacgaccaa ggggaggata   360

ctcagagaaa gtttcaacca ccatgggctt ggttggaacc atcttaacca taccagcatc   420

accattcttc aaaaatttgg gctcct   446

<210>   7979
<211>   334
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b08d1

<400>   7979

cctaataaga aaacaaataa ttccaattca tatatgaaca tttttgcctc cttatttctt   60

gaaaatgtgg aattggaatt ccccgaggaa ttccgatctc atttcctttg gcttcaggat   120

aggcctaata agaaaacaaa taattccaat tcatatatga acattttgc ctccttattt   180

cttgaaaatg tggaattgga attccccgag gaattccgat ctcatttcct ttggcttcag   240

gataggccta ataagaaaac aaataattcc aattcatata tgaacatttt tgcctcctta   300

tttcttgaaa atgtggaatt ggaattcccc gagg   334

<210>   7980
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b09a1

<400>   7980

cgcgctttag agtacctaca tgaagtttgt tcaccatctg ttgttcataa gaatataaag   60

tcggccaaca tattgcttga tacagatttt aatcctcatc tttctgacag tggattggca   120

agctatattc caaatgcaaa ccaggtatta aacaataatg ctggatctgg atatgaagct   180

cccgaagttg gtttgtctgg tcattatact cttaagagtg atgtttatag cttcggagtt   240

gtcatgttgg aacttcttag tggacggaaa ccgtttgata gctcaaggcc gaggtctgag   300

caggcgttgg ttcgatgggc aacacctcaa ctccatgata tcgatgcttt ggctaaaatg   360

gttgatcctg cattggaagg actataccct gtgaagtccc tttctcgatt tgcggatgtt   420

3574

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attgctctat gcgttcaggc ggagccggaa ttccgaccac ctatg                    465


<210>      7981
<211>      476
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090b09d1

<400>      7981

cattcaaagt gcagggagct gctatgccta tatccctgaa gccgatactg atactgatac    60

atagctagct agcctagctg tagatcaaga gaaagaaatt gaaagcatta caacttagtg   120

caagatttag ataagcctat aattaaaatc aacttattat catatcataa ccaaccttca   180

aaatgagaat caaacctctt gaacttcaac agcactggca actggtttaa cttccttgag   240

ttcttcctta acttgtttca cttccttgtg ttcttcctcc ttttccttaa cttccttaac   300

tggctcttca atctcgaaag ccgagacggg gaatgtcctg aagagccccg aaggagtctt   360

gaaagtgatc ttgccagtgg gaggatcatc aacaaagatc tcactgagtg tgatccaaac   420

caagagcttc ttggttttca caccagtgag ctttttgatc ttaccaacct caacat       476


<210>      7982
<211>      269
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090b10a1

<400>      7982

gggacctagg aggtcagcct ggtcttcgct caatctggga gaaatattat gaagaggcac    60

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cactggaaaa ggtgcttctg catgaggatc tacaaggagc ccctcttttg atattagcta   180

acaagcagga tattcctgaa gcagtatcag ctgatgagct tgctcgatat ttggatttaa   240

tgaagctgga tgaaagagtt tccatgttt                                      269


<210>      7983
<211>      506
<212>      DNA
<213>      Glycine max
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<225> Clone ID: jC-gmfl02220090b10d1

<400> 7983

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tcattgtttt atctaacttc atttaccata ccagttcccc taataaaaca tgaacacata   120

aactgaaatt aatgcctact tttgtggcga accaatatac caacaaggtg cttaatattt   180

gtttttctg ctgctatgct catcaagcca agatataata tcaccaagca cgtgaaatat    240

agtttcatca ggttcacctt caagtagagt atggaaagca tccttataga ggcagagttt   300

cttgtccttc actttagctt tctcatacaa agccttacta gctgatggat cagtaattat   360

atcagcctct ccatgcatga tcaacaatgg cagagaaacc tagcaattga aattcttcag   420

tggatttcat tgacacacgg aaaattccac cagaaacatg tgcaatagct caagaaagtg   480

ttaccttaaa ataacatgtg caatag                                        506
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<210> 7984
<211> 476
<212> DNA
<213> Glycine max

<225> Clone ID: jC-gmfl02220090b11a1

<400> 7984

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attccttcac cacctcagcc gagcgggaaa ttgtaaggga tgtgaaagaa aagctttctt    60

acattgccct tgactacgag caagaactgg agacagccag gaccagctcg tctgtggaga   120

agagctatga gttgcctgat gggcaggtca tcaccattgg cgatgagcgt ttcagatgtc   180

cagaggttct gttccaacca tccatgattg gaatggaagc ttcaggcatt cacgagacaa   240

catacaactc cataatgaag tgcgatgttg atatcaggaa ggacctctat ggtaacattg   300

ttctttcagg aggaacaacc atgttccctg gtattgctga cagaatgagc aaggaaattt   360

cggcattggc acccagcagc atgaagatca aggttgtagc accacctgag aagaaataca   420

gtgtcttgat cggtggttct atcttggcat ctcttagcac cttccagcag atgtgg       476
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<210> 7985
<211> 480
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmf102220090b11d1

<400>   7985

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tttttttttt ttttattttt taaaaaacag atatccacaa aaaacaaaaa aaaaaaaaag   180

ggggaccaaa agaaagaaaa aaaaaaaaaa aaaataaaaa aaaaaaaagc cccccaaaac   240

caaagggggga aaaaaaaaaa aaaaaaaacc ccgggggggg atttttataaa caaaaccaaa   300

aaaaaaaaac ccccacaccc ccaaaatttt ttaatgaaaa aaagacacta ttaccccccc   360

acccttttga aaaggggcta aaatattaca aaaaaaaatc ccccccaaaa aaaggggggga   420

aaaaaaaaaa tacccccata aggggggggaa aaaaaaaat tttccccccca cggagttttt   480

<210>   7986
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220090b12a1

<400>   7986

aagttataaa atttaactca acagaaccac taaacaggat tgagttctgg taacaggtaa   60

gattcttctc ctaacaagac gaaacgtatt ttacgcaaca cataaaaata aataagaaaa   120

ttgttttagt gatctatgtc gccattatta tccatagcta gctagctagc taaagggaat   180

ttatgtgggc gttgactgtg ccaacaggga tcatagggtg agggtctcgc tcatccaatc   240

attcctttgt tatctgcact agtgagtgtc gtcttctgat aaaacgacgt cgtcgtcaca   300

cagccttggt tagaagaaga agaagaagaa ggtatgggag acatattcta cggcaacgat   360

gaccaccgag aaatgaatga ttgtatgtat aaggaggatg tgatagaaag catgagaaag   420

caaagggaaa tcaaagaact caagcgcaga caaaacaaca acaactactg ctgctgctac   480

ttgtacttnc ttcgatgctn tgatgac   507

<210>   7987
<211>   421
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090b12d1

<400>   7987

cccccccccca aggaacagga caatttaata ttttattatt aacccccaaa accggctttt   60

ttttgttcaa gacgggaaaa acccccttaaa ttttgggctt tgcaccaacc ggaaaacggg   120

gggagggaat aaaaaaaaac atggaacacc cctggccggt tgggggcccc acccaacagg   180

ggcccacccct ttgtcccaat caaggggggaa aaggggggggg ggcccaatcc ctcctaaaaa   240

aggcttaact gttctttttcc ttccaagggg gaaaaacctg cgggttttgc tcagggcttc   300

caaaaaaggg ggggtctgc aatcagggaa aaaacccccgt ggggggcccat ggggggaaggg   360

ggcctttggc ccaaaaaaaa acccttcccg ggtttctggg gggcccccccc aacccctaaaa   420

a   421

<210>   7988
<211>   582
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090c01a1

<400>   7988

cttgtttcttt tcgtttctttt gttgctctttt ctctagctag ctaagtccgt tcgtgatcga   60

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agatggggtg tttatagtga agaactgaga aggatctgtg aaatagcagg gcctatggtg   180

gcagtggttt cttcccaata tttgctgcaa gttgcgtcaa ccatgatagt tggtcattta   240

ggtgaactct atctatgtag cgcagactta gccatttccc tatcaggggt cactggtttc   300

agtcttcata tgggaatggc tagtggactg gaaacaattt gtggacaggc ttatggagct   360

caacaatatc aaagaattgg aatgcaaaca tacactgcta tattctctct catattggtt   420

tctattcccg tgtgtatcct ttggatcaac atggaaagca tactagttct cataggccag   480

gaccctctaa tttcgcatga agcatggaag ttcacaattt ggctagtttc agcactttttt   540

gcatatgcaa ttcttcagcc ggtagttcga tattccaag tc   582

<210>   7989

<211>   413
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090c01d1

<400>   7989

gggacagcta aaaattgtgt gtttaaacta ggtgacaggg taaaatatag ttcatcttct   60

gggggcttgt atcagcttca gacaatttct tcaaagggtc cagctaatgg aagtcggggg   120

aaggttgtct tactttttga tgataatccc ttgtcaaaga ttggcgtaag atttgataaa   180

cccatacctg atggagttga tcttggaggt ttgtgtgagg gtggtcaagg atttttctgc   240

aatgtcaccg atcttcgatt ggaaaacagt ggcattgaag aacttgacag attacttatt   300

aatacattgt ttgaggttgt ggttagtgag agcagaaatg cacctttcat tttgttcatg   360

aaagatgcag agaagtctat agtaggaaat ggagatccat tttcatttaa aag   413

<210>   7990
<211>   599
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090c02a1

<400>   7990

tttcattcca aaatcttcat attcatcaaa ctcatcaaaa tgaatctgta ccactcctcc   60

accaccacca ccaccaccac catcttcacc gtcatattcc tcctccttgc aatattattc   120

actctcacac cccacaaggc caacggtgcc acgtgtcacc ctgaggaaga agcgggcctg   180

ttgggcttca atccggtat ccgatccgac ccgttcggcc tgctcagtta ctggatatcg   240

ggtacggact gctgcacatg gaccggagta gaatgccact ataacagcac ccgggtccaa   300

agatcattct taacgggtca aaaacccgaa accatcttat cgggtaccat cttacccacc   360

ctctcaaaac tcaaactact cgatggactc taccttcataa acctcatcaa catttcgggt   420

cccttcccaa attttctttt ccaacttcca aatctccaat ttatctatct agaaaacatc   480

aatctctcgg gtcgaatacc cgataacatc ggtaacctta cccgactaga tgtactcagt   540

ttaactggta accggctcat cngacccgta ccgagctcaa taacccaggt gactcagct   599

3579

<210> 7991
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220090c02d1

<400> 7991

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gaggcgaaga agatgggtgt gcagatggag tgaggcttgt tcagcttcta atagcatgtg    60

cggaagcggt ggcttgtcgt gacaaatcac acgcttccat attactatcc gaacttaaag   120

cgaatgcttt agtgttcgga tcctcattcc aaagagttgc ttcctgtttc gtccaaggcc   180

tgatcgagag gctcaatctg attcagccca tcgggcctgc tggccccatg atgccctcca   240

tgatgaacat catggacgtg gcctcagacg aaatggagga agcattcagg ttggtttatg   300

aactgtgtcc gcacatccag ttcggacact atttggctaa ttccacaata ttggaagcct   360

ttgagggtga gagttttgtc catgtcgtgg acctaggcat gagcctgggt ctacgacacg   420

gacaccaatg gagaggtctg atccagaatc ttgccggtcg tgtaagcggc gaacgtgttc   480

gtc                                                                 483
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<210> 7992
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220090c03a1

<400> 7992

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tttgggcggg ttctcgtcaa gactttgagc tttccgatcg gatttctcgc cttgttgcca   180

gcgatccggc cttcagaaag gatgacagaa ccacgcttgg taggaaggag ttgtttaaaa   240

acaccttgag aaaagcagct tatgcatgga aaggatcaa cgagctccgt cttaatgaac   300

aggaagctta taagctcaga tcctttgtgg atcaacctgc ttttacggat cttcattggg   360

gaatgtttgt gcctgctatc caaggacaag gcactgacga acagcagcag aagtggttgc   420

ctctagctta taggatgcaa ataatcggtt gctatgccca aactgaactt ggtcatgggt   480

ccaatgttca agggctagaa acaactgcaa catttgatcc caaaacagac               530
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3580

<210> 7993
<211> 512
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090c03d1

<400> 7993

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acacctaatt gcgatggtaa ttactagctg gcaaacacaa ctttattaag agttgtaaat   120

cagaatagtc tgggtaaatt tcttagatgc caaagcatc attgccacaa aattaactac   180

agcctagcat tacgtagttg ctgcttaagc atcggttgaa tatactcttt aaagccatca   240

ggaacaactg aatcattcaa aggatccttc catgcctcct cgtacaactt cggatacaca   300

tttccatcgt aacgtccaag aattgaacca aggtagtgat cagtgtagtt aaatgcatca   360

acaagcgcaa ttgcattagg acgaacctgt gaatacaagt ttctcagctg ctcactggca   420

agtgatcctt ggtttgggtt aatgcagcca gtggaaagaa aatcacccag atgcttatga   480

agtagaaacc aagcataaat gctgcaaaga ac   512

<210> 7994
<211> 580
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220090c04a1

<400> 7994

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catttttctg tgacgaattg ctcccaaatt gtactcacct ttcgagactc aatggtgctt   120

tgaattactt tttttttaa ttgctattga cgtcagtcta attcgttgat tttctggcgg   180

tgaattgttg tcgatcaaga ggtttcggtt aacagtgctc gtgattttgg tactattgca   240

attaggagtg attgcgaagg tgcactgcat gttcgattgt tgaggagtgg gggtcctctg   300

ttccgaggat tcccgtcgct ggttgttcag attcgaagtt ggctctaaat tttcgttggg   360

gaaatgtttg cttcggttgc ggatggggca tttgagggga gtggagtttc aggacccttt   420

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ttgattccac agcgctttgt ttggccttat gggggaacaa cggtgttcct aaccggttct   480

ttcaccagat ggtcgaacca tatagctatg tctccgatgg agggatgccc ttgctgtgtt   540

caagttgttt gcaacttaat gccgngtttt atcagttcca                         580
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<210>   7995
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090c04d1

<400>   7995

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gaaaacaatt tcgttaagat gtttaacgga gaaaaacgat cctcaattta cagatttttc   60

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agctcagaaa agcagtgcaa atagaacaaa cgagttcctt ccaatgccaa ccacagctat   180

ttccttcata taagccggcc aatatatccc aactagccta acaagaatct gaacacatcg   240

cttaaagaaa taatcccttc cacacgcttg ctgccagcct ccacagccac aagtctccta   300

accccaggat tagccaaccg ctccatcact ttgtaaagcg aatcagatct caaacacatg   360

tgacatctgt gaccattgta aagcccataa ggagaagttg catcttgtcc caaaagcaat   420

gcctggtgaa tactaatttc atcgagagat atcctagcat aagctntatc tttagccaat   480

gcagtaatat cacttcttgg ataaatgtca agtaacgaat cattattatc cacaatcg     538
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<210>   7996
<211>   566
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090c05a1

<400>   7996

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tctctctctc tctcgatcta tcatggcttt gcccaatcag caaaccgtgg attaccctag   120

tttcaaactc gtcatcgtcg gtgacggcgg tacaggaaag acaacgttcg tgaaaaggca   180

tcttaccggt gaattcgaga aaaaatacga accgaccatt ggagtggagg ttcacccatt   240

ggatttcttc acaaactgcg gaaagattcg cttctactgt tgggatactg ctggacaaga   300
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gaagtttggt ggcctcagag atggatatta tatccatggg caatgtgcga ttataatgtt    360

tgatgttact gcccgtctaa catacaaaaa tgtccctacc tggcaccggg atctttgccg    420

ggtctgtgaa aacatcccaa ttggtctttg tggtaacaag gttgatgtca agaacaggca    480

agtgaaggca tagcatgtta ccttcccagg aagaggaatt gcagtattat gagatttagc    540

gaaagcaact acatttcgag agcctt                                        566
```

<210>   7997
<211>   587
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220090c05d1

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aaaatagcac ttggcacaaa cagccttgtt tgctctttcc cccgtgtctc tctgttcaag    360

agagccaaat cacacaaaca cacgcactac agcccttggc cacaaggata tgtcaaacta    420

ttgggagaga tttttaatta aagcaaaatg attaaatttc tgatactcaa atccgcatcc    480

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3583

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tggccgtacg gttccccagt tgattctacc gttggtggct ccagtgagac cgagagcgac   240

gaggaggagc aactcgtcgc tgagttaact cgccgcttaa ctcgctcctc tcttcaatct   300

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aaccaaactt aaaaccaagg gaacaacacc accaccggac cttccgccgt tacgtttaac   300

ggggtcgtta ctattattgg ggggcacatt ggcagggtta tcgggagaat cagcaggggc   360

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<223>   unsure at all n locations
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ggcaccagct cactctcaag ctcgagcagt ttgtggctct cgccgtcttc caggctggtg   180

atgctttaat acaattatat cacaatttca tcacagactt tgagacgaaa atcaaccttc 240

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attatctaga gaaaattatc ttcacttgta gaggcagaga gcccgccatt ttttcacctg 240

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gtacggtgaa agtcatgctg acaggccctg cttctttcat gatatttcca tgtaactcct 480

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<211>   323
<212>   DNA
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<223>   Clone ID: jC-gmfl02220090c08a1

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tcgggggcca acccccaaa aaaaaacccc gggggggggg ggggggcccc ccccctgga   180

tgaacgggggg ccccccccgg ggaaaaaatc ccgggcccccg gggaaaagggc ccccggcctt   240

tttgagggaa ccccccccgga agccccgggg gggcccaaac ccccgttccc caggggaaaa   300

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<223>   Clone ID: jC-gmfl02220090c08d1

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gcttgtgaaa actctgctga aaccaatcca aaatttctga aaataattcc cttggattct   180

ccttacacac cattctgagc atagcagagc tatcaatcag cctgctcttt aacttgctca   240

aaagatttcc cacccttttt tgaccaaatg cttctctctt cataatactt tcaggggggg   300

ctgacatgta ttttctaaca gattttaaac atggacacac ctggccttta agcaaagcat   360

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<210>   8004
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<223>   Clone ID: jC-gmfl02220090c09a1

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ctgtcttggt tgacaacgtt gatttcttgg aagaactgaa gtgaagagca agctttatat   180

gaaataagta gtcctgctgc ttttgtatga ataagttgtc tcgcattttta tcattgtgcg   240

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<223>   Clone ID: jC-gmfl02220090c09d1

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caaacctaac cagtaaaaat ggtgaccgtg gaggaaatcc gcaacgctca gcgttcccat   180

ggacccgcca ccatcttggc cttcggcacc gccacgccgt ccaactgcgt ctcccaagcc   240

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<210>   8007
<211>   433
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
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agagaatcgc catcattggc gtctcaacct tattgttggt ggctatggtt gtggcggtca   180

caattggggt caatctcaat gagaatggtt ccaacaatga tatagaggac aacaagaaaa   240

atcatgttgc ttcttccata aaagccgtcc aaaccctttg tcatcccaca nattatgaga   300

aagaatgcga ggaaagcctt atagctgggg ctggaaatac cacagatccc aaagaactcg   360

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<223>   Clone ID: jC-gmfl02220090c11d1

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tctctatgac ttcgaaattc taactaacca actcccctttt acacaaactt tcatcatcat   180

cattcatcta aatccaccat tggatttgac aaagtgagga ctaatgtagc tgttcacttt   240

cccagcttag cttagagaca actctttcat gttgtgggaa atattcctcc atctctttga   300

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<223>   Clone ID: jC-gmfl02220090c12a1

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tcgtcctgct cctccggcac atgcttctcc ccctgaatac tttgtcctcc aggggaacac   180

aacttataaa gacgatctat atttaaggaa gaggacaggg atgcgtcggt ggctttgttg   240

cacatgtcag gtggaagagt cttacccatc aaatgaaaat gagcacctga aaagcccaag   300

gaattatgga gatggaaatc aaaaaggctc·aaaggtgtca gctcctgtca agcctgaaac   360

acaaaaggca cctccaccta ttgaagctcc agccttatct ttagatgagc tgaaggagaa   420

gacagacaac tttggttcaa aggcattaat aggtgaaaga tcgtatggaa gggtgtatta   480

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aaaccccttc ccgggggggg acatttaaac cccgaaaaat ccccggggga aaagggccca   180

ttttgaaaaa aaaccttggt tttttttaacc ccgggtaaaa tttaggggc ccgttttggg   240

gaaaaaattc cttggccccc aaacctttaa attttgtccc aaaaaaattt cccgggggct   300

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gaaattggg   369

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catgcttgac actaagggac ctgagattcg gactggtttt ctgaaagatg gaaaacctat   420

tcaacttaag gaaggacaag aaatcaccat aactactgat tatgacatta aggggggatca   480

ggagatgata tccatgagtt acaagaagct gcctgtccac ttgaagcctg naaacaccat   540

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<223>   unsure at all n locations
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tgaacaaaca ccttttgggt tgttctcaca ggtttcagta tgtccaaact gtggagggga   180

tggtgaagtc atatctgaat attgccgtaa atgcaacggt gaaggacgaa tacgggttaa   240

gaaaaatatt aaagttaaag ttcctcctgg tgttagctca ggcagtattc taagagttac   300

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<223> Clone ID: jC-gmf102220090d02a1

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gtttgatctt attgatagtt tcaatacaaa cttaggcact catatgggac accttaggtt 360

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tatctgtcag cagaacattc cgatgttgga cgtgaagtat catatttgcg tggctcanga 240

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3591

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caacagagct ccactgagct tgaacagctc tgaagctgga gattcggttc ccagttcagc   240

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caaggacaga tggaaaggtc ttgcctatga tatttcagat gaccagcaag acatcacaag   420

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attataaagg ataacaatcc aatatgaaca agataaatta tttgattata tcaagtcata   180

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cacttcttgc agttgggtcg aagtttgagg catttggatc agtacaacct tcaggaacgg   300

gaatttttac ttgctgggct gctttgccat agaaagttcc tcttttgatg gcatcctgat   360

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<223>   Clone ID: jC-gmf102220090d04a1

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ggagccagaa tgcaggtagc gagaagaagc acggtcacgg tcacggtcac aggcacaatc   300

tgagcgagtg cgcttcggat ctgagcgagt cctgttccac accgcacggt aacaatagca   360

acaacacgct gctctacacg cacgtgatcg ccttcacgct ctacgagttg gagaccataa   420

cgaagagctt tcgcggcgac tatatcctcg gtgagggatg cttcggcacc gtttacaaag   480

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<212>   DNA
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acttgcgtgt tcgggtcgtc ttactcttgc actgctgatg ttgtgaggag cccgttatat   240

tagttctgat gccgcgatga ttacaagtac acagattttc acacactaat tcccacccag   300

atgaacagaa gaccaaaaat tgatacaaaa atgatccacc ggggcttctt gtcaccatat   360

tatcatatca tgtacaaaga aacaaataca aggatgcacc cacattttaa caacaaacac   420

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<223>   Clone ID: jC-gmfl02220090d05a1

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tacaaattgg ttgaagacat ccgggctaaa ggtggaaata tcaccaggga gccgggtcca 420

gttaagggtg ggaagtctgc tattgccttc gtgaaggatc ctgatgggta tgcttttgag 480

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3594

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atgtggttac ccgtggacaa caacgatttc gcctaagacg gtcctggact gatgtggaag 180

gagtgcctta tggagagatt caagttattg aggaagatct gccactcaga attccaaggg 240

atgcttttgg caaatcagca ccattgagta atatgccctg tagccaaggt gtctcacata 300

atttgtctcc aaagtattcc catgttaaca tgcaaaggtc aaaaaatgag gaaaatgatt 360

cagaaccaaa ttcagaagag agttttgaga gtgagctctc actgatggga aggaaaatcc 420

atctattcag ttgtggctcc aagtatgtgc atgatactat ggatgaatc   469

<210>   8022
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090d07a1

<400>   8022

catcctcatc caccttcgtt agatttcccc ctcaacattt tttgtttttc tctccatccc   60

aattatcgcc acctcctctt tcttcaaatt tcaatctcag aggatgggtg gtgaggaatt 120

gtgtttgatg gagaactcag ggaaagggaa gaggctgtgg aagaaggtga agtaccagct 180

ggtggagtac cactccttgc ccggttattt gagagacaac gagtacattc tcggtcacta 240

tcgatccgaa tggcccatca ggcaggtttt gttgagcgca ttcaccatcc acaacgaaac 300

tctcaacgtt tggacgcatt tgatcgggtt cttcatattt ctggcattga ccatatacac 360

tgccatgaat cttaattcgc tacagcagtt tcctgacatg ctcaagaagg ccgacctgca 420

caaattacaa tcagaaatct tgacgt   446

<210>   8023
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090d07d1

<400>   8023

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aatgtcttgg aaacatgcat ttatcataac agttactata cctagagctt aacagtaaga   60

gtaaccttgt ttgaacgaaa agtgggaagg tgacagtctc cataaggaag atgaaattca  120

caattcatat gtataaatca gcaaaccttg caaggaaatt aagcacaaat ttcaggtcaa  180

gtcagcagct ttcgtgcaat agtaaagtcc tgatcaactt cctttctgga tgcttcccaa  240

agtcgatgtt caatccccaa tttcctcagt tcagaaagtc cctgctcagc atcaacggca  300

tcatgtgagg taggtgaatg cccactccga ccaatccaaa accgaagacg ttctttggca  360

atgtcctact ctataccatg agccttggct cttctgcaaa atatgtcagc caagccttct  420

tgaaaagaac atcctcagat tcctctggac tcaattcaaa tgcttgcata aacctagggt  480

ccccaggtga tttaatatc                                              499
```

<210>   8024
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090d08a1

<400>   8024

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ataaatagtt gaatccaaac acttttacaa gggttttttgt tgaagcaact ttggtataag   60

cttcatattt gtacagaaaa aatctgtata taaattatac aaacatcaat tagatttaag  120

agtcaacctg aaggggcaca gctactggta attctgctaa agagcagctt ttatcatata  180

aagatatgaa cataaaagaa ctatcagcat ttccgaagag aaaatgagga gctatgcctt  240

taaagcttta cccgccaaaa aaaaaggcaa aatggaactc aaaatttcat tttatttaat  300

ttttttggttt acaaacaatt tcaaggaccc attagtattc tccctatgtt ctgagggcaa  360

ggataagcag aatggtttaa agatggacca tcacttggat tt                    402
```

<210>   8025
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090d08d1

<400>   8025

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actagtcggc ggccgcccctt ttttttttt ttttttttttt ttttttttttt ttttttttta   60
```

```
aaagggggcaa aacaaaagtc ataaagtagc attaacaaac aaaacccaca gcaagcaaat  120

tagaaagaaa gaaaatccga aaaaatttga cttgaggcca ccacaccttg caagatagac  180

atatataaca caccgcatgg catatacaaa gggttttctg atgcagccat gggttagtac  240

tcgacctcgg cctcgtggtc attgacggcg gtggcatttt gatactggtg atactcggcc  300

accaaggcat tcaagttgct ctcagcctaa gtaaactcca tctcatccat tcccttgcca  360

gtgtaccaat gcaagaaggc ctttcttttg aacatgaccg tgaactgctc ggagacgcgg  420

tgaaacatct gctgaatgga ggtggaatcc cccatgaagg gggaggacat ggacaaaccc  480

gtgggaggga                                                          490
```

```
<210>      8026
<211>      489
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220090d09a1

<400>      8026
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atttgctttt tgttttattt cattgcaacc atgtttggct atgcagcagc aataattgca   60

gcaatcctct tcttccaata cttcttccat aggagacgat gttgcaaaca ccccattttg  120

acagaatacc ctatcattgg catgctacca caattactct tcaatttatg gcgtgcccat  180

gattattcaa ctcaggtgtt gcaacgacat ggtggcactg gtgagttcat tggaccttgg  240

tttaccaaca tggactattt ggtcacttgc gaccccatca cgtccacca catgctgagc  300

aagaatttcc acaactacgt caagggaccc gagttcgtc acatttttca ggccttcgga  360

gacgggattt tcgccgctga ttctgaagca tggaagtaca gcagggatct cttccattct  420

ctcttaaaca gaaaagcttc gaggtttttg tagcgaanac cattcacaac aaggtgcata  480

atggtcttc                                                          489
```

```
<210>      8027
<211>      480
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090d09d1

<400>      8027
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atcaaagacg ccccataagg ggccagattt attcagttgc ccgcttatct tgattccctt   60

attttgccac aatcaaacac acaagtgaga atgctttaac agtttgagac ttgggaaagt   120

ccaaatgaac taccaagtaa gaatacaatt atataacgga aattacagcc tgggcatttg   180

ccttcaacta cacaataact tggactttta aaatatttaa tatcattctt ttgtgacagc   240

caccttcgcc ttcgcctcag aggaataatc atgccgcaat ttgcgtgaaa gttggtataa   300

gcctgtccct gccattgcaa tgtttacact aaacaggttc cattttttg gggtgattac   360

agtgctgtaa cgagaccaga taattccagt agctgtgacc gctatttgct gaggatagga   420

aagtttctcg ggtggttttg agaaatcagc aatgttggca atgctgatgc cccaattaaa   480

<210>   8028
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090d10a1

<400>   8028

gagagacgct tcgcaaatct caatcgaatc tcagaaaaat gagagaaatc atcagcattc   60

acataggtca ggccgggatc caggtcggaa actcctgctg ggaactctac tgcctcgaac   120

atggcatcca gcccgacggc atgatgcctt ctgactccac cttcggtgta gcccacgacg   180

ccttcaacac cttcttcagc gaaaccggat ctggcaagca cgtcccccgt gctgtcttcg   240

tcgacctcga acccaccgtc atcgacgagg tccgctgcgg cacctaccgt caactcttcc   300

accccgaaca actcatctcc ggcaaggaag acgccgncaa caacttcgcc cgcggccact   360

acaccgttgg caaagagatc gtagatctgt gcttggatcg cgtncgcaag ctcgccgaca   420

actgcaccgg cctacaag   438

<210>   8029
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090d10d1

<400>   8029

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agccccaaaa aggggaaaat attatgggga aggggagttt gcatttggca tgccagggac   60

aaaaaacagg tttggtttcc taacccggac cggaattggc caaggaatct gcaaaagctt  120

acccatttcc ttggtctttt aaaaagtaaa ccccacgaaa acctcccaag agcaaaagtt  180

tgccaaaacc atccctttgg attggcagga accatccttt tagcccgggc ccaagcataa  240

agggccccag caatttgggc acctgtgccc caaaaaaacc cccaccttgt gacccacatt  300

ggcccaaaga caaaatgacc tggacccctg aaaagggacc tgaccctat ggcagggaa  360

aaagcgccac aaaacagggg gaacctt                                       387
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<210>   8030
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090d11a1

<400>   8030

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caccaattct ccaccctctc attgaaaaaa aaacaaccaa acaaaaaaaa tcaatcattt   60

tattttattt ttctacgaaa atggttgatt tacattggaa atcaaagatg cctagttcca  120

aaacaccaaa actctctctc tccgacaaca agtccttacc ctctttgcaa ctacccttcc  180

ggaccacaga tatctctgcc gccgctcctt ccgtttgcgc cgattacgac tactatctcc  240

gtcttcctca actcagaaag ctttggaact ccacttgatt tcctaatttg gacaaccgaa  300

ccggtcttaa acccattttg gcaagctttt gaaatcacgg tccggtttct ttccattgat  360

ctctccgatc ccagacctta ctccaaccac agagaatgga ctcgccggat agagtctctc  420

atcatgcatc aaattgaaat ca                                           442
```

<210>   8031
<211>   413
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090d11d1

<400>   8031

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agactaattc aaaatattgg acccatacaa tcacaaaata cgatgggaaa gcttggtatg   60

attcctagtt attacaacaa gatggcaacc atcaatctta atcgagcttc aattttgcaa  120
```

```
aaaggttaaa ttattgaaat tatatcacca attaaagaaa tagctcagaa acatacacca   180

acaaattgtc tagttttaaa taatcaaagg tgcaatccat ctaactcagg agaaactgac   240

tgaagggggt taaaaagaaa tgataaaaat ctgaagaata ttattttcct tttctgccat   300

tgtatcaaca caagcctttg ttcccatttta catgtcttgg ggatcttgat tatcatcacc   360

ccctctgttg gatccttctt gatcagttcc aaacgtcctt ttgctcatgt tag          413
```

```
<210>      8032
<211>      556
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220090d12a1

<400>      8032
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atgagggtaa ccaatatgag ttaagtgaca caaagtacac agaagaagaa tacaacaaca    60

acaacaacaa gtatcacaat tcctatcaga acaacaacca gaagtactac aacaacgatg   120

ctgccaatgg catatactcc tacaacaaca acaacaacaa ttacaatgct aacaataaca   180

ggtacaatac ttacaacaac aacaatgccg ttaacgggta caatggtgag aggcaaggaa   240

tgagtgacac aaggtttttg gagggtggaa aatactttca tgacgttgcc gccgagaagt   300

acaatccaac aaactatggt gactcatcaa gggaagtgaa cactaacaac tggtacaaca   360

acagaggtgg caactacaac gggaaccaga accagcagga gtttgaagat gaacatgaga   420

acttcgagcc atgagcttgg atcattggca aagtaaagag ttcactatac ttttgagtat   480

ccactatggg tgtttaatgg ttttattgtg ctttagattc angaaaacac annagtaaag   540

gatatgttaa ctatga                                                  556
```

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<210>      8033
<211>      176
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220090d12d1

<400>      8033
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atacatactt ctaaatattg ttccctaact atctcgcaat acaatgggga cacttgcggg    60

gaaatctaag aacaccaaca atatggctcc caaaaattgt gatcaccctt gaattttgcc   120
```

aatatgactt actattgcta acttaccacc accctctgaa ctaacttcca tactta   176

<210>   8034
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e01a1

<400>   8034

ctcagtctct gcgcgtgccg ctgaggattg cgaacgagag acctatctcg tatactcgca   60

gagtttaaga tatcatgggc aatgaaaagg tatcacatca acattgtcat gattggacat 120

gtctactttg ggaatgtaac taccactgtg aacttgatct acaagcttgg aggtactgac 180

aagcgtgtga ttgagaggcc cgagaaggag gctgccgtta tgaacacgaa gtcattcaag 240

tatgcctggg tgctcgacaa gctcaaagct gagcgtgaaa gatgaatcac cattgatatg 300

tgctttgcgg aagtttgaaa ccaccatgaa ctactgcacg gtcattgatg ctcctggaca 360

tcgtgacttt atcaagaaca tgattactgg tacagccaag acgacttggg ctgtccttat 420

tattgactcc accactggtg gttttgaagc tggtatttct aaggatggac agacccgtga 480

gcatgctctt cttgctttca ccctaggtgt gaagcaaatg atctgttgct gtaacaag   538

<210>   8035
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e01d1

<400>   8035

tactcctgat atcagaaaaa gaaaaaagaa aaaatgtct ctagtgactg cagagatcaa   60

agccaaagca gaggtgtatc atggagatga actctgccaa gagaagtcaa agttgctgct 120

aaaggaggta gggctaccta atgggctttt gccattgaag gacattgagg aatgtgggta 180

tgagagggat agtgggtttg tgtggctgaa gcagaagaag agcacaaacc acaagtttga 240

gaagattggg aagctggttt cctatgctcc tgagatcact gcctatgttg aggttggtaa 300

gatcaaaaag ctcactggtg tgaaaccaa ggagctcttg gtttggatca cactcagtga 360

gatctttgtt gatgatcctc ccactggcaa gatcactttc aagactcctt cggggctctt 420

caggacattc cccgtctcgg ctttcgagat tgaagagcca gttaaggaag ttaaggaaaa   480

ggaggaagaa cacaaggaag tgaaacaggt taaggaagaa ctcaggaagt t   531

<210>   8036
<211>   56
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e02a1

<400>   8036

atcctactat tcggctgccg tcctttttta tttcattctt tttttactt ttcctt   56

<210>   8037
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e02d1

<400>   8037

cggcggccgc ccttttttttt tttttttttga gaaaatttcc attgtattca gtttccttgt   60

tttgaaaaaa ctgaaactat tggcacaacc attataactc aacgaggtag ggtaatatac   120

aaaaggaaac aaaaccaaat ttgattccca taaaaaagaa agaaagaaga aaaggcaaac   180

ccgaaaatct gagtcatttg gcagagagga tcacccactg ttgtaagcac acacactttt   240

ccacacgtat accatttaca gctacattca caaaaatttc cctgttctct cttgagaccc   300

tttgttggtg gaaagaaaaa aaaaagtaaa ccaaagctcg ccacttaact tccctttgtt   360

actttccttt tcggttacac tttttttttc ttcttttcta aaactggttt ctttccttt   420

ccggaaacac tgtcctcagt tccgttcgtt aattgttgg ttcctcgaga gatctcgaga   480

aatcctatg   489

<210>   8038
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e03a1

<400>   8038

ggtgtcttta atttcacagt ttcatagcaa ttatcgacaa aaaatccaaa atttccactc   60

acatctctct ttgtttatga catctcaaac atttatctac tctctaccca ctttctcagt   120

tccaggtaag caagagaaac aatactcatc tttattacag ggttgtgtga actgaagagg   180

gagggtactg gtttgcggag gcagtgacac ttctgcaagc ctagaatcct ctctcctagt   240

tttttgtgaa aacagatagt gtggtgcttt tggaggatcc ttttctcaaa gcttgcatgt   300

aacactatct acattttggt gatcagttga agtgtggaaa aaatcttaag ctaaaggcaa   360

tttgggaagc tggaacaatg ggttctgttt gttgttgctt gagttttgat gattttgaag   420

attatgtaaa tccaaatagt cctgtatata ggaactgtgt gtgtctcagt tgcttgatac   480

agaacctttt gattgtggta tgttcctcct gtttcctgtc tccttgcggc ttc   533

<210>   8039
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e03d1

<400>   8039

ccatctaaaa ttaaatattc tttttttttt aacggttttg gacatgcgga aatttttaaa   60

cccaaaaaca aggggagtta gaatgaactc acaacaaggg ttaaggaaac ttttcatact   120

tactatccat gacagaccct aatatggag tattcacaat ggctataagc ttatattctt   180

ccatgcctaa atggctgact tcatccacaa cacaaacctt gtaatcaagg gaaagtcgtt   240

tcattgaata ccatcacctt tccacaaaca ggacagttgg cacttttttc catccactca   300

taaatgcacc caggggaaa atgatgagag catttgggca ttatcttggg attctcttta   360

gggtttttctt caaaacaagt tggacagaca tcctcctcct ttgaggatgc ttatacaaga   420

ccaac   425

<210>   8040
<211>   553
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e04a1

<400>   8040

3603

aaaaacatga agaactgaat ttatattttc atgacggcat gagaattaaa gatttaatta   60

aattaataat tcacaactgt attctatcct aaatgagcaa agaaattcat gatttgatca   120

aagctccacc ttcataggtt aatagcgtgt ttgaatttct atttatacaa ctcacgtgaa   180

tcacaaatat aacttttaat tgcttttagt ctatcttaat gtgaaaattt aaattacaaa   240

ttttaatcta aaaccacact aatttcttgt gttaggtcgt agataaatat cataattaat   300

tgtgcattcc ttcatttttc aatttcaact taatttatca cgtgattggt cctgtgcacc   360

acagcactga tgtcttgtcc gtagtcaagt catgaattta tatcaatata gaaatttttt   420

gtttttctta agatcaccat gttcgtttga tttttattga aaaacatatt cggctaggca   480

atatatggct cactagtccc caccttaccg actacaaaac agtggctaca tgatggtatt   540

aaaccatgat ttt   553

<210>   8041
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e04d1

<400>   8041

agtaattaat attagtattt attatttata tacaacacgt gagactccca atctctaagc   60

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cttaaaccgt ggtagagagc tcaatttggt tcccttctga attgctatcc cctttgtcat   180

ggacctgaat tggcttgtag gtgtacaatt tggcacaaac caagtagtaa ataagattga   240

gaaactgcaa tatggtgata agccagtaaa agtactccaa cttcccttttg ttgaggttgt   300

tgtcagggag ccaatttgac ccattagacc cagcactgaa cttgtggacc aaagtaacca   360

taatggtact cacatagttc ccagcagcga tagcagtcca aaataatgcc atggcagtgc   420

tcctcatact ctcaggggcc tggtcataga aaaactccaa gtgtccaatt gacataaagg   480

cctcagccat tccatga   497

<210>   8042
<211>   540
<212>   DNA
<213>   Glycine max

3604

<223>   Clone ID: jC-gmfl02220090e05a1

<400>   8042

ggcggggctg cggtgcggcg cgtggcgcgt ggcgggggag gcgaacaacc tgggcggctg   60

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cgcggtcgac ctcgaaatgg tctccaaaga ggcggaggag ttcgcgagga gtgtgcctct   180

cggcggcgac gggaaggacg cgtggatttt cgacatcgac gagactctcc tctccaatct   240

cccctattat gccgcacacg gatacgggct tgaggtcttt gaccacgaga agtttaacaa   300

ttgggtggag aagggtgtag ctccagccat tgaacccagt ttaaagctct atgaagatgt   360

tttgaatctg ggattcaagg ttattctact gacaggacgg agtgaaaggc acaggagtgt   420

cactgttgat aatttgatca atgctgggct taaggaatgg gaccagctta tactaagata   480

ctcagatgat caagggaaac gagctgtact ctacaaatca gagaagagga gtgagatgga   540

<210>   8043
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e05d1

<400>   8043

atgaattatt tgcaatgata ttcagtatac gaattgatcc actttcgtta tgtacaattc   60

aaacagcaat tatttgcaaa tgaatgagac atttactatg gaatgtaata catgggattt   120

ggaagcttga aggaccgaac agatactgaa gaacctaata aatcgctcca ctggtcacca   180

gaatttccaa gaatcctgta tccatctttc tccatctcac tcctcttctc tgatttgtag   240

agtacagctc gtttcccttg atcatctgag tttcttagta tgagctggtc ccattcctta   300

aacccagcat tgatcaaatt atcaacagtg acactcctgt gcctttcact ccgtcctgtc   360

agtagaataa ccttgaatcc cagattcaaa acatcttcat agagctttaa actgggttca   420

atggctggag ctacacc   437

<210>   8044
<211>   516
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090e06a1

<400>   8044

aagattttat ccaattgaaa ttttaaaaat gactgggata aacttaagaa ttcaattatt   60

gaaattgaat aagtäaacaa tttaattgga ttggtcgaat ggtatcaaaa aaatggagta   120

ctaactccca tttcttattt attattgaat taaccgatca acttgctttg ttatcgaaca   180

tttctttttg atttcaaaaa ttttccggaa aaaatttgaa tctattttta tatgcgaatc   240

aatcctacta cttctggtcc tgaggtttct gcgcttgaaa aaaaaaatct gggacgtatc   300

gcccaaataa ttggtccggt actagatgta gcttttcccc caggtaagat gcctaatatt   360

tacaacgctc tgatagttaa gggtcgagat actgttggtc aacaaattaa tgtgacttgt   420

gaagtacagc aattattagg aaataatcga attagagctg tagctatgag tgcgacagaa   480

ggtctaatga gaggaatgga agtgatngac acagga   516

<210>   8045
<211>   404
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e06d1

<400>   8045

aaaaaaaccc cccaatttta aaaccctttt ttggaaaaag gggaaaaaat gggttacgga   60

aaaaaaaacc agggggggaaa aaaaccggaa aaaaacacca ttaggggggt ttaaaaaaca   120

aaaaaaaaac cggggggggga acacacccccc aaaggggaag gggagtggga aaaaccaggg   180

gggaccccccg ataaaaaaat tggggcccccc cccttattaa acccggggggg ggggaaaaaa   240

aggggcccac ccattgaaac gggggggggc ctctagaatt taaaaaggggg ggaggggggt   300

gttccaaaag gaaaaaaaac accgggttta aaaaaccgta aaaaccctttt attttataaa   360

ggggggggggc gaaaaacccc cccacaaaag aggggaattt tttt   404

<210>   8046
<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090e07a1

<400>   8046

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cactgtcgtt gaagttgaac catgaaaaaa ttagctttta taagaggcag taatgtgcct   180

ttgggaatgt gagcatgatt tgcaaatggg gttgctctga atagtttcac aagagctctc   240

agcctctcag gaaggaaaaa aaaggccttg tttttttttt tttggagaaa gtgagagtga   300

aaaaaggtca aggaaatttc ttttcaccat cttttttat acgggaaata gttttttttt   360

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<223>   Clone ID: jC-gmfl02220090e07d1

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agctatttat tctcaatact aatataaaaa ctagcaacgt atgcatcaga ccttgctctt   180

aacatagttt atataaaaat gctaacaaca cattatctta tacactcttt tcaatacatt   240

ttttttattg cttgaaattt tttagatatc acaaaaatat atgggtccta gatcttattt   300

tcatgatttt gtaatttttt attatttgta acttatggta gaatatgtgt caagagaagt   360

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3607

<223>   Clone ID: jC-gmfl02220090e08d1

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aacagaaaag aggggtatgg gatatgagtt aagttttgat cacattcaac tacactatcc   180

caaaccgtta ctcttaagac tttgaacttc acttgtactc taggatcatg ttgttctcag   240

gagctaatcc aacacaagcc ctcaggatgt tttccagcat agctcgctgc tttgacaacg   300

cattcaccac tggtgtaccc ggtggaacca gaggggcctt ggtcaggtaa ctaaggatgg   360

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tgctgagctc agcaagaa   438

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e09a1

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agcctctaaa gcgctatcgc ataccacgct attgaatgca ttgctcggca cgcagactca   180

aagaccctgg ccatctaaaa tatgctcgag cataccgcaa ggctacggat agtctgacac   240

cgctacatgc acctggcgag ctcgacgcct agactctcag tacataccct gctcatgtta   300

tgcatgttat gtcatcatct aagtccaatg agaacttaca tctgctgtac gacacctata   360

ccactgttcg tacacactca gtatcgtctg acaatgctta tatccagctt ggtgcagatc   420

gctc   424

<210>   8050
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e09d1

3608

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cactcaggag attacataat caggcccctt ggcttgtgaa ccctcctaaa ctacatcccc   180

gccattagaa cccatcctaa tctgctgaaa agcatattgg taaattggtg gaccaataat   240

tgtagtgaat aatgaagtct ttctccgatg ctctaagcca cgaccacaac aggaacagag   300

catcatccat tagcttagca gcgttaaatg attcattcga gaaaaggatc ttatttctgt   360

gctgccatat tgaccacgtt aatgccaccc accagcactt ccacctatga tttcttttttc   420

ctccattcat cccgttttga tgctgcaaaa aatggtacct agggataatg gggaatgccc   480

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<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e10a1

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cttcattgct tcctcttcct ctcacctcgt tcgcgcttcc gatgacgccg acgacgcgat   240

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ttacaatggt gtctggaagc atgccaagag tgatgggcat gatgattatg gacttcttgt   360

tagtgaacaa gccaggaaat atgctatagt caaagaactt gccgagtctg tcagtcttaa   420

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<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e10d1

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ggtatgcagg catagaacta acaatttcta agccaagtac aagggactgc tctttccagc   180

aatcattcaa aaagcaaatg aagcatataa agttagctac attcattgcc catgtcactt   240

ggaagtctct tcatcttttg tcgccttagg atgtattccc ttcaacttaa gaaattgtta   300

caaagaacag aaaccaaatt aaagaaaaat cacgatccaa ttagatcagg tgtttcagcc   360

tcaatggaca gcaatgcagt gtgaactttt ccagtccaac tgtccagtcg atcccgtaag   420

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<210>   8053
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090e11a1

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tttgttaagg cgtttctcgg ggctgacaag gtgcttggga ctgaacttga ggccaccaaa   180

tcggggacgt tcactgggtt tgttaagaag cctggtgtgc ttgttgggga gcataagaaa   240

gtggctctgg tgaaggagtt tcagggtaat ttacctgact tgggtctagg tgatagtaaa   300

agtgattatg acttcatgtc aatttgcaag gaagggtaca tggtgccaag aactaagtgt   360

gaaccactac caagaaacaa gcttttaagt ccaattattn ttcatgaggg ta   412

<210>   8054
<211>   297
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e11d1

3610

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caatgataaa atgccagaca acttattctt acaaacgcag caggacctac ttatttcata   120

taaagcttgc tctccacatt agatcttcca aaaaatcaac ggttgtaacc aagacagttt   180

tccatccatc tggatctaaa aacgaagtgg ttttttgaat aaggccaaaa attggccctg   240

gttgccgaga aaacatccct ccaacctctt ttatgacttg gttaactacc ttacaac   297

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<211>   393
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090e12a1

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attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat   180

atgaattgga attatttgtt ttcttattag gcctatcctg aagccaaagg aaatgagatc   240

ggaattcctc ggggaattcc aattccacat tttcaagaaa taaggaggca aaaatgttca   300

tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag   360

atcggaattc ctcgggggta ccgagctcga att   393

<210>   8056
<211>   272
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090e12d1

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taaattatta atatgtat tattataatt taaataataa ttaatattat aanaaagcgg   120

acgttggagt catttacggg attacgagct aaatagtcgg aaggacgacc tttattttaa   180

ttaattaatt tttttttttt tattattttt taatattaaa tgaaaatttta ttgggggaat   240

3611

tttggggtgg taataaaaat taaatatttt tt   272

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f01a1

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attgtgctgc cattcgcaaa gccgttaaat ttctacttac aacacaaaga gaggacggtg   180

gatggggaga gagttatctt tcaagcccaa aaaagatata tgtacctcta gaaggaagcc   240

gatcaaatgt tgtacataca gcatgggctc ttatgggact aattcatgct ggacaggcgg   300

atagagaccc catgcctctt caccgtgctg caaagttgct cattaattct cagttggaag   360

agggtgattg gccccaacag gaaatcacgg gagtattcat gaaaaattgc atgttgcatt   420

atccaatgta cagagatatt tatccaatgt gggctctagc tgaatatcga aggcgggttc   480

cattgccttc cactgaagtt taatttagaa tggtttgagc acgaaaaggc aaaggcattt   540

tcattaagat tgaggcatat taagtgtgtg taatcaagct taatcaattt tttcatattc   600

ctat   604

<210>   8058
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f01d1

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ggtccttctc ttgaacttga gcactttgct caatgttctt gcttgtccct attgcccttta   120

cccttctccc aagcctccaa aaaagcctcc cgttgtgaaa ccaccggttc acaaaccacc   180

aaaaccatgt ccaccaccca agtcatctcc aaaaccaccc catgtacacc ctccctatgt   240

tccaaaacct cctcactacc ctaaaccacc agttcatcca catccacccc atgtcccaaa   300

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acctcatcca aagcctccag tgcatcccca tccaccttat gtcccaaaac caccagttgt    360

gccagttaca ccaccatatg ttccaaaacc accaattgtg aaccctccct atgtcccaaa    420

accgcctgtt gtgccagtta caccacctta tatccctaaa ccaccagttg tgacaccacc    480

atatgtccct aaaccaccag tggtgccagt tacaccacca tatgtcccta a             531
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f02a1

<400>   8059

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gtgggacttg tacgagagat ggaggagtca ccacacggtt tcgcgaagcc ttggtgacaa    180

gcacaagcgg tttaacgtgt tcaaagcgaa tgtgatgcat gtccataaca ccaacaaaat    240

ggataagcct tacaagctga aactaaacaa gtttgctgac atgaccaacc atgaattcag    300

gagtacctat gctggctcaa aggttaatca ccatagaatg ttcagagaca tgccacgtgg    360

gaacgggacc ttcatgtatg agaaggttgg tagtgttcct gcttcagtgg attggaggaa    420

gaaaggtgct gtaactgatg taaaagatca aggccattgt ggtagttgct gggcgttttc    480

aactgttgta gctgttgaag gcattaacca aatcaagacg aataagctag tctccttgtc    540

tgaacaagag cttgtggact gtgacacc                                       568
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<210>   8060
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f02d1

<400>   8060

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cccttttttt ttttttttttt ttttttttttt tttttttttat cttcaaagtg atcaaatcat    120

attgcaatct ggactctagt tgatctattg ctatctatat aaatgcttta aagtaaagtt    180
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3613
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atcattttgc atgaaactct tggccataga aaggagatta catgagaaat tgctagcact   240

caaatcatat aaaatattta tttctttggg atgtaataag cataaatata ttgatggata   300

cactggcatt gaatctgaga tactaataga aaacaacaac caaagctaat tagagtatga   360

ttttgtggga agcattcaaa cttcaaagtt catctttagg agatgatgaa ggtcctgttg   420

gattattgga ggagtttttg attgggtagg aagccaacat agctatgcca caaagtccct   480

cctttttaga tatgttcctt tgcattctga gtaaccctg ttctccccat tctg   534

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f03a1

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cagctcctat cacctttgga ttcaagaatt tgttggaaac attcactgtt gatgtgcata   180

gagcagagaa caggccactg aatgtgccct aatagcccc ttttaccatt gctacctcta   240

gattggccaa ggtggagaac gtggccataa gggttgagtt gagcaatggt tctgtggggt   300

ggggcgaggc accaattttg ccttttgtta ctgcagagga ccagaccact gccatggcca   360

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tgggggagat tgctggtatt cttccagggc atcaatttgc ttcagttagg gctgggatgg   480

agatggcaat aattgatgct gttgcaaata ggattcgtgt gccattgtgg aggctttttg   540

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<223>   Clone ID: jC-gmfl02220090f03d1

<400>   8062

3614

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gcagtttctt  ttacagaaaa  gggtgaggaa  tcgaataagt  taaatacata  gcaattgggg     240

tgcttataaa  aataaaaata  aaaacatagc  aattgtggat  aagtattggc  tactcattcc     300

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atttttaacc  aacttgtcca  tttatgcttt  tccagattct  tgtgttggca  taattatctt     420

ttacattaag  caaggttgtc  ccagtgaagg  aatccaccat  gtcccct                   467


<210>       8063
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<223>       Clone ID: jC-gmfl02220090f04a1

<400>       8063

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aaggtttgca  gacgatgtga  tagaaggctc  aaacgggaat  gtatatttta  gtgttgctag     180

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atacaggtgt  ttgaggcatt  ggttagaacg  agcaaacata  tgcacaacag  atattttcat     420

tgaaaacctt  cctggtgcac  ctgataatat  caatcttgct  cccgatggat  ccttctggat     480

cgctttgatt  tcagttgact  tctgaaggat  ttgagtttgt  tcacaacttc                 530


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<223>       Clone ID: jC-gmfl02220090f04d1

<400>       8064
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cctttattca aggagggcta aacttgacta ttctatgcac tatacaatgg taattttcca   180

acaaagttgg aattaagact accaaggtaa aggtggtcct caaactccac agctgaagtc   240

acaaaattaa tcaccttccc atcactatca tcaagctttc ttattatcct gccattagtt   300

gccacattca ccaccgttgc tttcttcttg cagccattga caaggttaat tagccttgga   360

aacgatgcaa ccaagtgctt agttatcttg tagttgtgga caaactcaaa tccttcagaa   420

gtcaactgaa tcaaagcgat ccagaaggat ccatcgggag caagattgat attatcaggt   480

gcaccaggaa ggttttcaat gaaaatat                                      508
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<223>      Clone ID: jC-gmfl02220090f05a1

<400>      8065
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tgatccaagt ctgaaaagcc gacatgggcc agttcagctt ccatacacat tgctccatcg   240

ctcaagtgag gaagggatga gtttcaaagg aatttccaac agtatctcca tctaaaatgt   300

gtgtgtggtt tgcttatcta tcgtgcttct gaataaaata gacaatactt gtctatggtt   360

attattggct gtatgtctgt atttggatgc tctcgatcgg cttgcatgta ataagagtgt   420

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ctgta                                                               485
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<210>      8066
<211>      450
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090f05d1
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ttgcaaaccg atcgagagca tccaaataca gacatacagc caataataac catagacaag   180

tattgtctat tttattcaaa agcacaatag ataagcaaac cacacacaca ttttagatgg   240

agatactgtt gggaattcct ttgaaactca tcccttcctc acttgaacga tggagcaatg   300

tgtatggaag ctgaactggc ccatgtcggc ttttcagact tggatcattg ttcctctgtg   360

tgattttttcc ctcaatttct gccagtttgt ttccaaactt tttgaaagct tccaatgcct   420

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<210>   8067
<211>   472
<212>   DNA
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<223>   Clone ID: jC-gmfl02220090f06a1

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cgatctcgga accacctact cttgtgtcgg tgtgtggcaa catgaccgag ttgaaatcat   180

cgccaacgac caagggaaca gaacgacgcc gtcttacgtc ggcttcactg ataccgagcg   240

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tgccaagagg ttgattggtc gtagattcag tgactcctct gttcagagtg atatcaaatt   360

gtggcctttt aaggttattg ctggtgctgc tgacaagcca atgatcgtgg ttaactacaa   420

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<210>   8068
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f06d1

<400>   8068

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agtactgttt acactaaaca tgcaaatact actacagcaa cttgaataca cattattatc   180

catattttaa acaagattat tacacatgaa acagtcacgg ccattggtct aacatttata   240

gaaagaggtc ataggagcaa attgaacgaa accagcttca gttaacatca actcgaggaa   300

cctcaaactt tagatttgga atcatagttt caaatgcttc ccatgaacca ggtcatgtct   360

taggagctaa tagaatgaag ccagtttaag ttaacctcga ctcgaggaac ctctaacttc   420

agatttggaa gcatagcttc gaatgcttcc catgaagcag ctgtctcttc atcacatacc   480

accaacttca aattctcaag attggttact gagta                              515


<210>     8069
<211>     409
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220090f07a1

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gttgaagaat ttgagatctc attcccaagg aagggcgatc agtgacgctg atatcctgta   120

ctggctgaac ttaccaatga acaacagagt tagaacttct cacatctaga gcttcgagca   180

gaagagcttg actactgaac tcttgacact tgagcttctg agtgctgtct atcctaaggc   240

tgtccatctg cacctggtca tcatgggtct acgctatgat gagacgaggt tgaacgcctc   300

ttatatatac agcgttgcac actagctgcg gcgttctata cacgtgatac ctcatgatat   360

tacggcggtt aagcagatga tgatcctcac tcttgcggtc agcataatg               409


<210>     8070
<211>     391
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220090f07d1

<400>     8070

gtaaaaagca agtaacatta agttggattg ggatacacaa gataattcac attatctgaa    60
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gtacattgca ataacatata cttcaccaaa cacaaatcta aaaactctca aaagtccaca   120

agtcatcctt ttctttcatg ctcacttgcc ggggacgaag ttggtggcgt aggcccaggc   180

attgttgttg actgggtccg caaggtgatc agcaaggttc tccaatggac ccttaccggt   240

gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag   300

ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa   360

gctgccacca gggtagattg cgtcagtgac c                                  391
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<210>      8071
<211>      387
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090f08a1

<400>      8071
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ggaacaaggg cgcataattt attaaagcca cgaaagagaa aacaacatag tgaagtctct    60

tacatgactt gttgacacac agctgaaaca acataaagtg aagctagtgc ccctatttga   120

acgcatctta ttacatatag atagatagga gcaagctaga ttgccgagcg gagatggaac   180

tactgaatgt agtacagggg atttggacgc tgactggtcc tgctttcgcc tctgtggcct   240

ccgaggagat cgctccattg gtctccaatg atcccaacaa tgttgtatcc ctgccttatc   300

agtacctctc tcgctgactg atttgtatga aactgcattt ggagtggaag gatcttgtgg   360

atccttgaga attaattttt cccatgt                                      387
```

```
<210>      8072
<211>      490
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090f08d1

<400>      8072
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aacataggac actgagaaat cctgtctgat tcaaacgaaa aacatgttta accaaatcca    60

aaacgcacta tcaaaatgat aacattatta ttcaaccttc caacctttct caatgtagaa   120

gagagagaga gagagagaga gagaacttat ctgagcatgc gttccctttа gcgtagcaat   180

cacactatca cttcaggata agctcttacc cttgaaaaaa agccattctt ttgtagacct   240
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3619

ttgcttggta tccatataga tcaaactgaa tggaaaatca gaaaattaac caaacataac   300

tttgactaaa acgaaatgtt tgttcaaacc gcaaacgtt gaataaaaag atgtcttgca   360

actataataa tgaacttctc acactgccct catgatatca atccataact tgtgaggaga   420

agaaattttg acaactttat tttgcactat ttgtgcatca cttggaggca aatcctggtc   480

tttttgggaa   490

<210>   8073
<211>   548
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090f09a1

<400>   8073

cttcatgaga catcacagag tcagtctatc atatcagact tagacaagta cttagaagaa   60

ccaatctttc cacgcaattc cgattttaac atattgaact ggtggaaagt ccacatgcca   120

aggtacccaa ttttgtctat gatggcacgt gatgttcttg ggactccaat gtcaactctg   180

gcgccagaat tggcatttag cactgggggc agagtgctag attcttctcg tagttcacta   240

aacccggaca cgcgagaggc tttgatatgc acccaagatt ggctccaaaa tgaatctgga   300

aatctaaatc catctccaat ccattctgct ctacctcttc tcatcgaatg aagttaattt   360

tttcaaggtc ttattgaaga agcatcttag aattgtcgag gtctcctttg aagtgatcta   420

gcctttgcaa atattctgtg aagatgcatn gtatattcta gaaataccat gtagattntt   480

aaatattata gatctncttt ctataagtgg tntaatggac tagcacacgg ctgaatctga   540

tttggaaa   548

<210>   8074
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f09d1

<400>   8074

aaaagttaaa acatgcatga ttgcatttat tattttggtt tccattatac taacacaact   60

3620

ctctttatta atgacaaata caaatacatt cagccactcc aaatacatga cttaagcata 120

cacaactgat taaggaatct ggttccttca atttcacatt tatttaaaac caggaacagt 180

acttaagcaa ccatagggtc cttagataga gatactgttg ggaattcctc tgaaagtcaa 240

tccctcctca ctagaaggat agagcagagt gtaaggcatt ttagctggcc catagcggtt 300

tctcaatgtc tcatctttgt tcttctctat aagcttcttt tcaatctctt caagcttctt 360

tccaaacctc ttaaatgcct ctaatggacc ggcatcagaa gtccagtagt caccaccatc 420

tctctgccca aggtagaact catcagatgc gtgccttgac aagatttcta taactgtaag 480

gtcaatgagg gtc   493

<210>   8075
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f10a1

<400>   8075

ctcaacgttc gtcaaatcgg tggaagaaat cccttacaac atctccgtaa ttcagatcag 60

taaggttctc ccctctgccg cagcggaagc ccctgcaccc gcacccaccc aacaaaacct 120

caccaacatt atgtcaaaac acggttgcaa agtcttcgcc gacactctct ctgctcaacc 180

cgacgctctc aacaccttca atgacaacct cgacggtggc ttaaccgtct tttgccccct 240

cgacgacgcg tttaaagcct ttctccccaa attcaaaaac ctaacaaaat ctggtaaggc 300

cgcgcttctt gaattccacg ctgttccggt ttaccagtcc aaagctactc tcaaatccaa 360

taacggactt cagaacactc tcgccactga tggcgccaac aagtttgact tcaccgttca 420

aaacgacggt gaagatgtta ctctgaagac gaagcttaca actgccaaga tcaccgacac 480

tttgattgat gaaca   495

<210>   8076
<211>   561
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f10d1

<400>   8076

3621

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gcataacatc cacatgattt ttaattaaaa ataaaaaata cacaattttg ttgcaggaat      60

gagagggcaa cccttgggac tataatcttg agaagccact tcggcttcca aaatagtatc     120

ccgacttcca gagcaaaaca caaggctaat aatacaactt gaataacaag atacatgcag     180

gcagaagaaa aatgtttcta gtatgtcacg atagaccaaa taaaattttt attgctgact     240

agtgacttgt gtgctaaggg ttctaagtgc gtacataatc cctatggctg cataaacatc     300

ccctaccgga atcacaaatt cacatcagtt ggaggagtgt atactagcac atacttacta     360

gttacataac agcagagtat tcaaccactg ttcgttcata gatgcatatc aaatcaacaa     420

ccttgaaggt cacgccacct gagataaact aaccctgccc gataatgagc gtatgcccca     480

gccaccacca atatatgaaa caattggtga ctgtgtccgg caatgtcaaa tttcccaggc     540

atccatcgtt ctggaaatct a                                              561


<210>      8077
<211>      490
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090_11a1

<400>      8077

cagtttttct tctgactggg agtggcaacg caatttcatc cactctgcac cttatcagta      60

tggtttaatc tcccttttttt ttttgttgaa ttaaatgaat gcagatcgtg gtgaagctca     120

aaaaggaagc gctgagacat ttttccgaaa agtaaagttc tggaaagaag atgctgaggg     180

agatgctcca cctgtttttta atatagacgg tgtgaactac ttccacgtaa aggttgctgg     240

attgctattt gttgctacta ctagagtcaa tgtctcccct tctcttgttt tggaactttt     300

acaaagaatt gcacgtgtca tcaaagatta ccttggtgtt ctcaatgaag attcctttag     360

aaagaacttc gtgctcgttt atgaattact ggatgaagtc attgattttg gttatgtgca     420

aacaacatcc actgaggatt tgaagtcata tgttttcaat gagccaatag tgattgatgc     480

tgcacggatg                                                            490


<210>      8078
<211>      235
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmfl02220090f11d1

<400>   8078

ttaattactt ttcttttttt tttatttttt tacttcttaa ctaaacggag tgccaacaaa   60

ggtgggttgc ttttgggtta aaaccccctt tttaacccca aatgtcaaca aaaaacccat   120

ttctttttct ttaaacctat tcccctcctt gtgaaaacat ctaccacatt tttattttta   180

ccccccctt ctttaacccc ctaccatttt ttctaaaata cccccccccc ataaa   235

<210>   8079
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090f12a1

<400>   8079

gagaaaagag ccaaagaaaa ttgcagtact ccaggtgcac tctgtgttct acctctgtat   60

gccatgcttc ctgcagcagc tcaacttcgt gtatttgaag aagtcgggga tggagagcgc   120

cttgttgttg ttgccacaaa tgttgctgaa acatctttaa caatcccagg gataaagtat   180

gtggttgata ctgggagaga aaaggtgaag aattatgatc cctctaatgg catggagaca   240

tatgaagtac aatggataag taaggcatct gccgcacagc gtgcaggcag atctggaaga   300

actggacctg gacactgtta ccgtctctat tcttctgcag cctttagtaa tgaatttcct   360

gagcactctc ctgccgaagt tgagaaagta cctgttcatg gtgttgtcct tctcttgaaa   420

tccatgcata ttaaaaaggt tgcaaacttc ccatttccta cttctcttaa agattcttct   480

ctgcttgagg ctgagaattg ctttgaagct cttgaagca   519

<210>   8080
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090f12d1

<400>   8080

agaagtataa taaggtaata aagtgtatag taagaataat gaataaatta taataaagta   60

gataagtata agttattaaa aaattatatt ataattaatt tattagaana gatgggggttg   120

3623

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tagtcttttta ngggttacga gataaatagt aggaggaagc actttatatt tttatatttt   180

tttaatttt  tttaattatt gtaaaaataa aaggaaaatt attatggggg aatttggggg   240

tgtaaaaaaa agggattata agagggaaaa tttatattaa aaaaaaaaaa aggggaaaa    300

agttaaaaaa aaataagaac tgtttaaaga aaaaggtaaa tataatggtg gaagagatat   360

atttgttttg ttggggagaa gaaaataaaa aatattttg tatttagata gatgtataaa    420

gagggaaaaa aaaataattg ttttgataaa aaaaaaaaaa tttattttg gggaggggaa     480

gcggttaaaa acttttttggg aaagggggggt attttatttt tc                   522


<210>      8081
<211>      547
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220090g01a1

<400>      8081

ggtgatttgg atgaattgaa ccctaggagc aacataacaa ctgggcttca agcatcacaa    60

gttgacaata gaggtagtgg acttaccgtt gcagctgagc gagtatctga tgatggatac   120

aactggagaa aatatgggca aaaacatgtt aaggaagtg aatttccacg cagttattac    180

aaatgtacac atcctaactg tgaagttaag aaactatttg aacgctccca tgatggacaa   240

atcactgaga taatttacaa gggaacacat gatcatccta aacctcaacc aaaccgccgt   300

tactctgctg gaactataat gtctgtgcaa gaagacagat ctgataaagc ttctttgact   360

agccgagatg acaaaggatc caatatgtgt ggccaggggt ctcacctggc tgagcccgac   420

ggtaaaccag agttattgcc tgtagcaaca aatgatggtg atctagatgg tttggggggtt   480

ttgtcaaacc cgaataatga tgaggttgat gatgatgatc ccttctcaaa gcgaagaana   540

atggacg                                                            547


<210>      8082
<211>      574
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220090g01d1
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3624

<400>   8082

gctgaacccg tttcgctttc aatcgaaggg aagaacaaac attcaattca tggcagctgc   60

aaagcttcaa gctttatgga atcacccagc tgggcctaaa accattcact tctgggcacc   120

tacctttaag tggggcatca gcattgccaa cattgctgat ttctcaaaac cacccgagaa   180

actttcctat cctcagcaaa tagcggtcac agctactgga attatctggt ctcgttacag   240

cactgtaatc accccaaaaa attggaacct gtttagtgta aacattgcaa tggcagggac   300

aggcttatac caactctcac gcaaattgcg gcatgattat tcctctgagg cggaggcgga   360

ggtggctgtc acaaaagaat gatattaaat atttaaaag tccaagttat tgtgtagttg   420

gaggcagatg cccaggctgt aatttccgtt atataattgt attcttactt ggtagttcat   480

ttgtactttc ccaagtctca aactgttaaa gcattctcac ttggtgtntg atgtggcaaa   540

atagggaatc aagataagcg ggcactgaat atat   574

<210>   8083
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g02a1

<400>   8083

ctagttcaag atcgcgagcg ccgccctttt tttttttttt tttcccgctc aggatcagtg   60

tcagttatgc agttttttaac cttaaaagcc ttcttatgcc ttgagtcaac aagggcaatc   120

agcatccgtt gagaatttga tgacaaggat catggcataa acctcatttt ccttaataac   180

cttccttgtg attggaggat tcccttttcca tgtctaagga aaagatgtgc ttgatcatgc   240

tgtgcatttc gtactgatat gtcaagaact tcattcccaa ttaatagctg ctagctgtct   300

tcataccatt tcacatagct atctttgctt ttacaattat ttttgccatc atgatttata   360

attacttctc aaatttttaca taatacacta tcattatttta aactttttcat ttttatta   418

<210>   8084
<211>   589
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g02d1

<400> 8084

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tgttccttaa taccagccag atactcagca cgtacccgga attaattccc tttccttcgg    60

cttcaggtat tcggcggccg cccttttttt ttttttttttt ctaaaatgtt actatcatat   120

aaagttgcaa agtaacgaca tcattctttc agaaagtaaa aagggatgga ccgtgaagaa   180

gttccccact tgtcaaccat tacctgccct tggacgaaaa tttatgatcg gaaaatacag   240

aaaacaaact tatttacact gatagttttt tatgaccatt aataagacag tcaaaaacat   300

atattgtgac ctgagaataa acactacatt agtgtgccag gcgctgcttc atgtatatac   360

ggatgaaata taaggagagg aaaaaaaga atgagccatc tcagcctttg ctgcaccctc   420

cgcacatcct tccttacaat tctgaataaa aaggaggatt tcccatgaaa atctggctta   480

aggaagttca gtcctcatca ctatcataca caaccgccat ccgccgatgg gtggttattt   540

tccttggaga agagtcatca tcagattcaa atcccttcct tttggcact               589
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<210>   8085
<211>   583
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g03a1

<400>   8085

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gtgaagatgt agagaataat gaagcagaca ggtttgattg gatttgtatg ggtcatgacc    60

ccccgttgat ggaatccaat caaacctgtc tgtgaagatg tagagaataa tgaagcagac   120

accttaaaat caagtccaaa cccagatgaa gttgctacat ctattagtgt taatgaaacc   180

tcttctgtaa agttttctgc caagtccagt ttgaagacat cctcaaggca tgatcttgct   240

atggttttca cctgcaaggt ctgtgaaacg agatccatta agacggcttg tcgcgaatcg   300

tatgagaaag gtgtagtggt ggcaagatgt gggggggtgta ataaccttca cctgattgca   360

gatcaccttg ggtggtttgg tgaaccagga agcgttgagg acttcctggc tgctcgtgga   420

gaagaagtga aaagaggttc agttgacaca ctgaatctta cattggaaga tttagctgga   480

aggaaacctt gaaagataga atttgaccaa gtgtatgttc tgcataggg t gtcactgaaa   540

agttggaagt gcaagggagg taacaatagg tggttttgga aac                     583
```

3626

<210> 8086
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220090g03d1

<400> 8086

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cataaattcc tttcttggct aaattttgca catgaaggtg tatcatggtc taaaaacatt    60

cctttggcag gcaccaaaaa taattgataa agcaaacagt acattgaata tgttgctttt   120

taatattact agcataatta tagacagaag agccgagttt acaaaaccaa ctattgttac   180

ctcccttgca cttccaaact ctcagtgaca ccctattgca gaacatacac ttggtcaaat   240

tctatctttc aaggtttcct tccagctaaa tcttccaatg taagattcag tgtgtcaact   300

gaacctcttt tcacttcttc tccacgagca gccaggaagt cctcaacgct tcctggttca   360

ccaaaccacc caaggtgatc tgcaatcagg tgaaggttat tacacccccc acatcttgcc   420

accactacac ctttctcata cgattcgcga caagccgtct taatggatct cgtttcacag   480

accttgcang tgaaaaccat agcangatca tgcctttgag atgtcntcaa actggacttg   540

gcagaaaact tta                                                      553
```

<210> 8087
<211> 577
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220090g04a1

<400> 8087

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gcaagccaca aaaaggtcaa gggttgcttt gctgcaaggc tagacaacct tgatgacgat    60

ctcatggagg atgatgtcat cacacatgaa gagtttttcc ctacaaaatc aaactccacc   120

ctccaatttg accatggaag ctccaatccc tcattggcct cttcctccaa gagaaaatcc   180

aaagtgcatg aatgctccat ttgccatagg agcttctctt cgggacaagc attgggggga   240

cacaaaaggt gccattggat cacttcaaat gctcctgaca cctccacatt aacaagattt   300

caacaattcc aagagcactt ggatcaaata cccaaatttg atacctcttc cgagcctctt   360

gatctcaaat tagaccttaa ccttcctgca ccctctaatg accttgcaag aaggaatgtg   420
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aacacagaat tttacttgca gccttgggtt gcatcaaaag atgctaaaga tgataacaat   480

aatagccatt gtcaaagtct ccataaccct aatacaatgt tgatgttgac aatgatgagg   540

acaaaaacaa caacaacaac aactcaatgc ataacat   577

<210>   8088
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090g04d1

<400>   8088

attaatcaga ataaatcttg atatcaaaaa aatgaaattt acagaagata tcaaaaaatt   60

gtaagttata tgtttttttg atgatttgat aatctccgta taagtactta cgttttctat   120

gtttatatag taaaagaaga aaagagaaaa cttcaaggca attgccaaat gcgatcctca   180

aaatgctttg ctttgtcaaa atatcttcag cagttatcag tttcctcatc agtagcagtt   240

gaactgatcc ccacctgcaa ccatggcgaa gaactgccac cagctttcat gtcctttagc   300

tcactcagtt tcgccaactt gatcttacta tcagcttcat tatccatgtt ttgcattgag   360

ttgttgttgt tgttgttttt gtcctcatca ttgtcaacat caacattgtt attagggtta   420

tggagacttt gacaatggct attattggta tcatctttag catcctttga tgcaacccaa   480

ggctgcaagt aaaattctgt gttcacattc ct   512

<210>   8089
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220090g05a1

<400>   8089

ctccacacta ctacatcact ttactttact ctaatcacta ctaactcttc tctatcttcc   60

atctatcgcc aacattccct ccgtcttctc attatttact cattctatat ccgttatcta   120

tccatatatt taatagatat gcggctctat cttnanntnn cncnnantcn nnaannntnn   180

nccnnccaca ccatacctte tatttccagt tgacctatga tgtcagcctg gtcttcgctc   240

aatctgggag aaatattatg aagaggcaca tgctgtaata tttgttgttg atgcttcttg   300

3628

tccgtcacgc tttgaagatg cgaagtcagc actggaaaag gtgcttcggc atgaggatct   360

acaaggagcc cctcttttga tattagctta caagcaggat attcctgaac cagtatcacc   420

tgataacctt gctcaatatt tggattta   448

<210>   8090
<211>   222
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g05d1

<400>   8090

aggaaaggaa aataattcat tcaaaattga acgggacaat taccatttaa aggtgccaaa   60

agttttccac gggggaaaag ccaaaaaccc ttcggggcaa cccattattt cacaaaatgg   120

ttatacaagg gctgttaaaa aaaaaattgc tttaaaaaaa accgggaact gggcccttta   180

tatgaaacgg ggggattaca accttgggaa taaatttcaa gg   222

<210>   8091
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090g06a1

<400>   8091

ctcgagccga atcggctcga gctcagaatt ctctaaaaga gatctttttc tgctctttga   60

agaaagaagg gtctttgctt gattttggag atgtctctgc tctcagatct catcaacctt   120

aacctctccg ataccaccga gaaggtgatc gcagagtaca tatggatcgg tggatcagga   180

atggacctga ggagcaaagc aaggactctc ccaggaccag ttagcgaccc ttcagagctt   240

cccaagtgga actatgatgg ttccagcaca ggtcaagctc ctggtgaaga cagtgaagtg   300

attttatacc cacaagccat tttcagggat ccattcagaa ggggtaacaa tatcttggtt   360

atctgtgatg cctacactcc tgctggagaa cctattccca ctaacaagag gcacgctgct   420

gccaaggttn tcagccatcc tgatgttgnt gctgaagtgc catggtacgg tattgaac   478

<210>   8092

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<211>       435
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220090g06d1

<400>       8092

gataatccag ctaactcata ctcaaaatga accagtcaaa aacttatcaa tggatatgaa    60

aagaactgga ccatttaaaa aaaaaaaaa aaaacccaac tttcctcact ttttgcaaat   120

aaatgatcac tccaacaaga gaataccatg aaaaggataa caaaagctaa aatgaaaggg   180

ttacaatctg caatgcattg cttccagaca aatcatgatg atagtagtct ttcgcttaaa   240

taaccctatt tttaaaacag ttttaaaagc actttttggg cacaattgat ggaccaaact   300

cggcatattc tgcctttgca atccacattt gctggaaggg gctaaaagat gccaagattg   360

aaccaccgat ccaaacactg gattttcttt ccggtggggc tacaaccttg atcttcatgc   420

tgctgggtgc caatg                                                   435


<210>       8093
<211>       497
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmf102220090g07a1

<400>       8093

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tataacctca ttggacaaga aaaggcaata gttgaagaca gacttcatcg tctttttggt   120

gtttgggcaa aagatggtat tgacatgttg cttcataaat ctcttgtaaa gattgatgag   180

caaggtcagg tgacaatgca ccacttgaca cataacatgg taaaagatat ggagtatggc   240

aaaaaagaag accaacctgc atcaaattat gggagcatgt gtgatttgat ggaattggac   300

aaaaacgggt atgtcatgga agaaatccaa ccttcgtcta atgattacga accaatggaa   360

tatgaatatc aaaattgttc tacctcctct tcttgagatc cttcatgatg ttatttaaga   420

tctgcttccc tcttttccaa gatggacgag aggcggcaca tnctgtntnt attgtttat   480

tctgaggagg gcttaat                                                 497
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3630

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<211>     323
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220090g07d1

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gctagtcaca aggagatgaa aggatgatcg atcagaagtt gatgaaagca cggagaagcg    180

tgagaaagtc atcaaagcat cgaaggaagt acaagtagca gcagcagtag ttgttgatga    240

tttgtctgcg cttgagttct ttgatttccc tttgctttct catgctttct atcacatact    300

gcttatacat acaatcattc att                                            323


<210>     8095
<211>     249
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220090g08a1

<400>     8095

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tacatgctaa tgtatacaaa aattaaaata ataataataa taattcagca cagcaaatgg    120

tggagatgct catttataaa gtttcttcgt cagcttgaaa aggatcattc ttagtcacca    180

caataaaaaa aaattaaaat taaaattgt taaataacag gaccgggtta acagctaaaa     240

acaagggaa                                                            249


<210>     8096
<211>     375
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220090g08d1

<400>     8096

acaacaactt agtttgtacc tttattccat aaattaataa aataaaaaag agacatgtat     60

atctttcctt ggtcttatac atcgacatac ggtagctcca attattagcc aacattacag    120
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3631

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gaaaagaaat ttcaagcaca caacacaaac acaaattaat tgaagataca catttattat    180

gctctctcaa acacaactgg gagcacatta ccatccaagg ccaagaaaat cttcttattc    240

tcacgcaagc caccaacaat gccacagtca aacttacaga aggggcacac atcaatagga    300

caccaaccaa tattataaac acctttaact tgggtctccg aaatcctaaa gtaactacca    360

acacctacta caaca                                                     375
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<210>      8097
<211>      541
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220090g09d1

<400>      8097

gatgtataat caactttaat ttacactatt tcaaatccaa aaaggaaaaa agaaagttac    60

aatatacttg gtctacttct tgccatcaag atacaatagt cacccgttg  atagttgtcc   120

cacataaatt agtaatgtcc aaaagcacta ttaccttgta aagctttttt aaagggaact   180

ataagtagtc attttataca tctttgataa tcatacaaaa gccatcttta tcaatgtacc   240

atttgactag tttcattggt ctccaaccat tgttcacatt ttatcttcca cttggcatag   300

aggagcatct tggaattgct tcagctttgg aactgcattg cactgaagat attgaggcag   360

agggtcttag gaggggtgta acagccctac ttgaagtttc attagcaatg ggagaagggg   420

tagctgtaac agctttttact tgttgtaatt ctacttcagg agtatcaatt aattgatcat   480

cttcttcaat ggacaagaca gtgcttgtgt ctgtgtgatt gngggagtca tcggtgaaca   540

t                                                                    541
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<210>      8098
<211>      290
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090g10a1

<400>      8098

gtgacaagct tacattttga gttttctaga ttcctgacat ggttttaagg gtgtacgggc    60
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ttgatgttgg gaaaaaaggt gtggcctcta ctctcattgt agaatgtatg aatctgcttg   120

gcactgccgt agaagttgaa ccctgaaaaa attagccatt ataagaggca ctaatgtgcc   180

tttgggaatg tgagcatgat ttgcaaatgg ggttgctctg aatacttta caatagctct   240

gaacctctca ggaaggaaaa aacatgcctt gtatttctct tttttggata   290

<210>   8099
<211>   555
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g10d1

<400>   8099

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aatatacttg gtctacttct tgccatcaag atacaatagt caccccgttg atagttgtcc   120

cacataaatt agtaatgtcc aaaagcacta ttaccttgta aagctttttt aaagggaact   180

ataagtagtc attttataca tctttgataa tcatacaaaa gccatcttta tcaatgtacc   240

atttgactag tttcattggt ctccaaccat tgttcacatt ttatcttcca cttggcatag   300

aggagcatct tggaattgct tcagctttgg aactgcattg cactgaagat attgaggcag   360

agggtcttag gaggggtgta acagccctac ttgaagtttc attagcaatg ggagaagggg   420

tagctgtaac agctttttact tggtgtaaat ctactttagg agtatcaatt aattgatcat   480

cttcttcaat ggacaagaca gtgcttgtgt ctgtgtgaat ggtggagtca tcggtgaaca   540

tgccatgtct tctct   555

<210>   8100
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g11a1

<400>   8100

gaaaaagtgt ctctctcaca ctcggtctga gactaactaa cgacttacca gtaaagagac   60

attaattaat ttgcaaaaag aagaagcatt gagattggga ttgggagatg gagcggaagt   120

ggagcagtga atctggtggg aatgtgatat cgtcgccatc acactcgcgt aatgggcatt   180

ctcgctcctc ttcgctcact atccccggag gaggaatttc aaccgtcaaa aggactcaga   240

atgttgctgc caaagccgcc gctcagcgcc tcgcccaggt catggcttct cagactgccg   300

acgacgacga cgacgacgaa gacgatctag gatttcgcta cactgctcct ccacctctct   360

ctctttccag gagctctgct agatctccat ctcctgcgtt agctcggaac ctcgtagaag   420

aatcatcaat gtatcttcgc ccagcaccac ctgctgctgg taataataga ccaccgctaa   480

gcctcaggac tccagctcct gttc   504

<210>   8101
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090g11d1

<400>   8101

caaaaagaaa gaatcccagg cgaggagaaa gatggagggg aaggagcagg atgtgtcgtt   60

gggagcgaac aagttccccg agagacagcc gattgggacg gcggcgcaga gccaagacga   120

cggcaaggac taccaggagc cggcgccggc gccgctggtt gacccgacgg agtttacgtc   180

atggtcgttt tacagagcag ggatagcaga gtttgtggcc acttttctgt ttctctacat   240

caccgtctta accgttatgg gagtcgccgg ggctaagtct aagtgtagta ccgttgggat   300

tcaaggaatc gcttgggcct tcggtggcat gatcttcgcc ctcgtttact gcaccgctgg   360

catctcaggg ggacacataa acccggcggt gacatttggg ctgtttttgg cgaggaagtt   420

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<210>   8102
<211>   549
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090g12a1

<400>   8102

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cttcccttct caacttgtac tacaatttct ggattgaatt atcttcaaaa tgagagaaat   120

3634

ccttcatgtt caagctggtc aatgtggaaa ccaaattgga ggcaagtttt gggaggtgat 180

gtgtgatgaa catgggattg atgccactgg aaattacgta ggtaactttc atcttcaact 240

tgagagggtt aacgtgtact acaatgaagc aagtggggga cggtatgttc ctcgagctgt 300

gcttatggac cttgaaccag ggaccatgga tagcttgcgt tctggtcctt ttggaaaaat 360

attcagaccc gataacttcg tgttcggcca aaatggagct ggtaacaact gggctaaagg 420

gcattacact gagggagctg agcttattga ttcagttctt gatgttgttc gaaaagaagc 480

tgagaattgt gactgcttgc aggggttcca aatntgtcac tcacttggaa gtggaactgg 540

ggtctggat   549

<210>   8103
<211>   381
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h01a1

<400>   8103

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gtccattaat tccacaagcc gacaatgttt gcaactgaat gaatgcacac tttgtccttg 120

tgtcatgatg aattgcaatc ctatctatct atcaaagttt catcaaattt attaatgctg 180

caacttatgc tgcagaataa aaatgaactt ataattcaac tagaatataa ttttattaaa 240

ccacacgttc ataatattat gcaaatttac tattagcaat tgatgaatga gataataaga 300

gatgcctgct atgctgcaag ggtccagaca aagttatatc atctttttac acattcccga 360

atatcataac ttcgatattc a   381

<210>   8104
<211>   620
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090h01d1

<400>   8104

gccgactaaa tctaatctca gaaggaggca aatagagata aacgacagtt tatgcccgtt 60

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ttgcagatct cagcaggagg atgcagctca tctctttttc aactgtccca aatctctagc   120

tctatggtgg gaatctctag catggactgg aatagtaggg gcattcccca ttatccctag   180

gtaccatttt ttgcagcatc aaaacgggat gaatggagga aaaagaaatc ataggtggaa   240

gtgctggtgg gtggcattaa cgtggtcaat atggcagcac agaaataaga tcctttctc   300

gaatgaatca tttaacgctg ctaagctaat ggatgatgct ctgttcctgt tgtggtcgtg   360

gcttagagca tcggagaaag acttcattat tcactacaat tattggtcca ccaatttacc   420

aatatgcttt tcagcagatt aggatgggtt ctaatggcgg ngatgtagtt taggagggtt   480

cacaagccaa ggggcctgat tatgtaatcc tctgagtggg tggatttccc caagctgagt   540

agctttgcag gtggattcac tacgtnntct ttaactctat tgtaaccaca gtaccctgta   600

ctgtatctaa tatatataat                                                620


<210>       8105
<211>       526
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220090h02a1

<400>       8105

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agcctcctcc gccgtcgcca ccgtccccgc ccacaacatc acccgcatgc tggccgcaca   120

ccccggcttc tccaccttca accactacct ctccgtcacc cacctggccg aagagatcaa   180

ccgccgccag accatcaccg tcctggccct cgacaatgcc gccatgtcct ccctcctcga   240

caagcacctc tccctcccca ccatcaaaaa cgtcctctcc ctccacatcc tcgtcgacta   300

cttcggcgcc aaaaagctcc accagatcaa caacagcacc accctcgtct cctccatgtt   360

ccaggccacc ggctccgcct ccggcaccgc cggctacgtc aacatcacca acctcaaggc   420

cggcaaggtc ggcttcgccg ccgaagacaa cgacggctcc ctccactcct tctacgtcaa   480

atccgtcaag gaaatgccct actacatctc cgtcctccaa atcagc                  526


<210>       8106
<211>       493
<212>       DNA
<213>       Glycine max
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<223>   Clone ID: jC-gmf102220090h02d1

<400>   8106

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agcacaaacc ggatctaccc acactgaaaa aaagaggcca ataaaataat tcggaaaaca   120

gacaaacaac aaatacaaaa cctataataa aaaaaagtac acatggcctc ctacatgtcg   180

gtggcagcgt tttatttcct tgacatatat taaagaaaga aaagaatctt aattgaaaca   240

agtgtatagt agcgacactc cataatccat gtgggtgttt catagagcca aaaaagccat   300

aattaaactg aagaagacca tgaagaatct cacgtgcaat ccgcttactc cattgctgtc   360

ttcatccgca gccttctgat cttccgaatc agcgtcgtcg tcggatggtc cgtccgacgg   420

tgcatccgcc gcatggctgg atgtcttgtt cttgttcttc ttcttggcgg ctttggcga   480

ctgggcaggt gca   493

<210>   8107
<211>   585
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090h03a1

<400>   8107

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ggtcttcttc gaggagcgtt tcgatgacgg atggggaaat cgttgggtta aatcagattg   180

gaaaaaagat gagaacctgg ctggggagtg gaaccacacc tctggccaat ggaatggaga   240

cgctaacgac aaaggtattc aaaccagtga ggattacaga ttctacgcta tttcagctca   300

gtaccctgaa ttcagcaaca aggataagac actagtcttc caattttctg tcaagcatga   360

acagaagctt gactgcggtg gtggctacat gaagttgctc agtggtgatg ttgatcagaa   420

gaaatttggt ggggatactc cttacagtat tatgtttggc ccagatatct gtggttacag   480

tacatagaaa gtacacgcta ttcttaccta caatgacaca taccacttga taaagaaaga   540

tgttccttgt gagactgacc aacttactca tgtttacaca tttat   585

<210>   8108

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<211>      540
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090h03d1

<400>      8108

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ccgccctttt tttttttttt tttttttttt ttttttttttt tttttttttt tttttttttt   120

ttttgttttt tttttttttt tttttttttt ttttaacaa acaaacattt ttcttaaaaa   180

aaatggccaa aaattagaat ttcggggagc gccataaggg gaaaccccat tggccgaacc   240

ctaaaagggc cccccccagg gggacatttt tgcccgggct aaaccgggaa aaagccaaag   300

ggggcccag ccaaagcccc cgcttttacc aaccggttcc cccgggcggg ttatctgggg   360

gaaacaaaaa accccccccc gggaaaaaaa cctcccggaa aaaaccccc gggcacccctt   420

taaccggttg ggaaacccccc caagggccaa caggggccccc cccttcccgg ggggctcccc   480

caacttccgg ctttgagaca accacggggg ccttgccggg tttaaaagga atttcccctt   540
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<210>      8109
<211>      556
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220090h04a1

<400>      8109

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tggagcgttg gaaggtgctc atttttctttc tacaggtgag ctcgtgagcc ttagcgagca   120

acaacttgtg gattgcgatc atgagtgtga tccggaagag cgtggagcat gtgactcggg   180

ttgtaacggt gggttgatga ccactgcatt tgagtacaca ctccaggctg gtggactaat   240

gcgagaaaag gattatcctt acactggaag agaccgtggt ccctgcaaat ttgacaagag   300

caaagttgct gcttccgtag ctaacttcag tgtggtttcc cttgatgaag aacaaattgc   360

agcaaatttg gtccagaatg gtcctcttgc agttggtatc aatgcagttt ttatgcagac   420

atatattggt ggcgtctcat gcccatatat ctgcggcaag catttggatc acggggttct   480

tttggtgggg tatggttctg gtgcttatgc tccaattcgt tttaaggaaa agccttactg   540
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3638

<210>   8110
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h04d1

<400>   8110

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gaataaaagc ataaacatgt gcttagcagt ttcctccttc ataacattac atcgtgcaaa   120

ttatttacat acatactata ctggtgcccc taccacgttt aggcatccat ccttatattt   180

aattgttaga aacatgtata gcagcgacag ttgagaccat cgagtccacc ccacatacat   240

tgcgacctct gcagatcttg taatatccct cttctcccca gctctccccc catgaattct   300

ttatgatcca gtaaggcttt tccttaaaac gaattggagc ataagcacca gaaccatacc   360

ccaccaaaag aaccccgtga tccaaatgct tgccgcagat atatgggcat gagacgccac   420

caatatatgt ctgcataaaa actgcattga taccaact   458

<210>   8111
<211>   146
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h05a1

<400>   8111

gcgggacata gaagctgttc ctgtgtgtga ggaaaaaaaa aacaagagag agagagagag   60

agaaagatgg agaaagaaac agagatgaag gcaattcaag tttaagagga tttgtgtctt   120

ctgtggcagt agtccaggga acaaac   146

<210>   8112
<211>   368
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h05d1

<400>   8112

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ttggccatat taaattattc ttggacaaca ttttgctacc aaaaatcccc aagggaaact   120

aggaataata acaaactttc ccggggattt ccggggggtc cttattggcc actttttaaat 180

cactaggccc cggattagca ggatttatcc ctccaaggga accctgggaa aaaaaacggg   240

tttaacgggt aaacccggcc ccaatcccaa tagccccccc cactttaacc cttttccagg   300

gggactttc ccttttctcct taaactttt ccccatttca tcccgaaggg acaaaacaca   360

cccccttg   368

<210>   8113
<211>   248
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090h06a1

<400>   8113

atatgattcc acattggttg gtgaagcaga tactaattgg tgtagcaaaa gttcttccta   60

aaactaagtt agttccacaa aaggaagagg ttaaagataa tatatttaga gatgtgaaca   120

agagaaaact ggtgagtgta tcacatcgtg ctggaattat attgaagtta aatagaggaa   180

ataatccgcg ttagtttact ctttttatat aatatatttc ttgagagagt tgcgccacgg   240

gccctata   248

<210>   8114
<211>   329
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220090h06d1

<400>   8114

actggtgtac cttttttgttc tttgtttata tcttactctg gttttttgttt tttctaaatg   60

catctattcg ctatttggaa cggcggcaaa aactctgaag ctgaaaaggc acagccgaaa   120

aagtgcccca acaaaagac ctcatcagcc ccaaaagtag cacccgcgca gaaaaaacac   180

gtctaccacc cacagctgca tgcacagaaa taaaactgag tcaaaaagaa acccccccccg   240

ctggttctga taaaaaaagc taaccggggc ttgtcgctca accttccttt gctaccccccc   300

3640

acaaaagagc ccccttΤΤΤggg ccccttΤΤΤggg   329

<210>   8115
<211>   497
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090h07a1

<400>   8115

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tggaggctac tcgaattgaa gctttgcact ggatatccac cctttttaaac aattatcgta   120

ctgaggtttt gcaatttctg aatgacatat ttgacactct gctcaaggca ctttcagatc   180

catctgatga ggttgttctt gtagttcttg atgttcatgc atgcattgca aaagactctc   240

agcactttcg gcaacttgtt gtcttcctgg tgcacaattt ccgggtagac aattcccttt   300

tggagaagcg tggtcctttg ataattcgtc gactttgtgt gcttttgaat gctgagagag   360

tctaccgtga actttctaca atattggaag gggaatcgga cttggatttt gcatcaataa   420

tggttcaggc tttgaatttg atcttactta cantcgtgga actatctgag attcgagatc   480

ttttgaagca atcactg   497

<210>   8116
<211>   355
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h07d1

<400>   8116

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ctacaagtgc gatgaaataa atacatggaa tttaacaatg acaacaagaa acaagccaat   120

tcaatcctac acatccaatc tcaaacaaaa attttaaaaa aatatagatg tatagatata   180

tccgcagtat ttgatgaaat ctggagataa ctgaatcgaa ctgtgcaaac gatgcagaca   240

tctaagcgat tttatttgct taaactttct ggagcagcag gagcgggaga cttcaaaaat   300

ggttggagtg ctttaacaac aatgctcata tttggcctaa actcagcttc atact   355

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<210>       8117
<211>       339
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220090h08a1

<400>       8117

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taattattgg aaaacttagc agtaaaagga aattaaacac ttgaaatcat caacaacaaa     120

gcttactaca cttatgcttt gttgcagggt ggcaaaggag aaccacagag acaatcatta     180

tcaacaaaag cacttgccgg aaacttattc ttgggaagct gaccaccatg atggacatag     240

ctaacattca acttctcaag cccaacaaca ctgtttggaa ccttcccaaa cacccaatta     300

cgaagacaat tccaaaaact taaacctttc ccaaaactt                            339


<210>       8118
<211>       434
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220090h08d1

<400>       8118

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60

tttttttttt tatattttta tttttttttt tttttattta aaatgtaaat aaattttaaa     120

aaaaaacaaa ggaaataaaa agaaactaaa ataaaaccaa agaaacaaa aaaaaaggaa      180

aaaaaagaa gggaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaacaaaaag      240

gaacaaaaaa aaaaaaaaaa aggagggaaa aaaaaaaaaa aggggagaag gaaaaaaagg     300

actacaaata aggggggaaa aagaaaaaaa aaaggagcca aagggaggaa gaaaaaaaaa     360

aacaaacggg gagacacaaa gaaaaaaaag gggaggccca tatgttaaaa aaaaaaaagc     420

acccaagagg aggc                                                      434


<210>       8119
<211>       349
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220090h09a1
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3642

<400>   8119

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ataaaaggtc caaacgccct aacaatggtc taacataaaa gggaaaaaac accaaagaaa   120

aacaatcact gtctggaaaa ccggacttat tttcgcaagg acataataaa gacacttaag   180

aaaactactc ttcttcatct tcctctttcc agcacttcag agttgatcta ggtgaaccac   240

agtcacaagt cttggcaaat ttttggtaga caagagaacc acccattcca agcccttcgt   300

ggctcctctc ttcgcgacag tatcccttaa catccagaac actctagcc   349

<210>   8120
<211>   307
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h09d1

<400>   8120

agaaaaaaaa tggggggaac gccacccgcc ccaataatct aacaataacc ccaaattgcc   60

ccctaatgaa ccaaaaaatt ccggggggac ccgaaaaccc aggccccaaa aaaagccaaa   120

aatgccccaa ttaccccaag ggccccccaa accgggcacc aagttattca ccttttttgaa   180

cccccgagca gcccaaacca aaaattgcgg gaaaaaaacc tttttcacc ccaaaggttt   240

aggggggaa aaacccaaaa gtggggcccc aaaaaaccca cacccccct ttgaaaaccg   300

aattttt   307

<210>   8121
<211>   626
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h10a1

<400>   8121

ctccccttcc gccgaggaac acaaacaaca acctcaactt aacgcattgt gtgcatgatg   60

gaggagatga aagtttctcg gcgggtggag tggtggcaga acatgatgtt ccccgttcgg   120

agggtttggt ttgtcgttgc caagcgcctc ggcattcgca aaactgggtt actgaagcta   180

agtaatgatg tgagggcatg cgaatatgag gacattcaag tgatgtggga gatactaaac   240

agaaacgaat cagagtttgg tcgttcttct agcactagga aaggcaacaa caagaagggg   300

cattgctgga aattattgag gtgggcaagg tgtgctccat gcatgtgccg cacatgatca   360

tgattgctgt gtacgtgaga agaaaaaaat ccaacctatg tgttggtgtg gtttttgctg   420

cttcaatcat gaataaaaaa aaagggttct gaaaggtttg tgtagaacac ggttcttctt   480

tccttttgaa tcaaccaact caaccatatg taaatatcaa ctgcattcac caagttcgat   540

ggtgtgacat ctcatactcc atcatgtgcc ttaatagtgg gtatcgaaaa ttgtgatgtg   600

tagttctgtg gttcatcatc atcatc   626

<210>   8122
<211>   328
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h10d1

<400>   8122

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gatagcgtat cgaatgacga cttacacata caggcttggg acccactaag aggcagttga   180

gcggagtggg gagaaatgac catatccatt tctgtattac cctccaagct agagacatta   240

tgatcgctca gaataagcat tcctgtcaaa gaacacgat gtttccgtac agactattca   300

cagacactat tctataggcc tatatact   328

<210>   8123
<211>   548
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220090h11a1

<400>   8123

atttgacagg ttcatcatca taaccttcaa tgaaagaaa tggctgaggc aagcattggc   60

agcaaaagca gcagatggtc tttacaggga atgacagctc tcgtcaccgg tggatccaaa   120

ggaatcggat atgctatcgt ggaggagttg gcacagcttg gagccactgt gcacacttgc   180

gctcggaacg aagctgaact caatgaatcc ttaaatgaat ggaacacaaa aggatacaga   240

gtaactggtt ccgtctgtga cgtggcgtct cgtgcagaaa gacaagacct catagctaga   300

gtctccaatg agtttaatgg caaactcaat atccttgtaa acaacgtggg aacaaacgta   360

ccgaaacata cccttgatgt tacggaagaa gacttctcat ttctgataaa tacaaatctt   420

gaatctgctt accacctaag ccagcttgca catnctctcc tgaaagcttc agaggctgca   480

nacatcattn ntatatcctn cattgctggt gtgctatcaa taggtatagg atcccactat   540

ggtgcaac   548

<210>   8124
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h11d1

<400>   8124

aaaagtttct ttatttcaag tgaagttagt tagttatatt tatatacaca atcgtgtcaa   60

tgagatcaat tggtacaagc cttagcctta tggtatggct tgtaattgca acatcagcat   120

tagcaaaatc tgataacccc ccagtcctag acacacatgg caaccctatt gagcctggca   180

aagattacta catcaaacct gccataaccg acgttggagg ccgcgtcact ttgtttagca   240

gaaacaatcc atgccctcta tatgtaggtc aagagaattc tgatgcagca gagggcttac   300

cccttttctt cacccctttt gcataacaag atgattttgt gaacgtgaat ggggacttca   360

aggtgacatt ctcagctgcc tcaatatgtg tgcagggcac aaattgg   407

<210>   8125
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h12a1

<400>   8125

cttcttctct taaaagagcc tttgcttttt ctttaggcct ttccgaatta agtacttgtt   60

tcattttctc tcgaagcaag aaaaatgttc atcgagagtt tcaaggttga gagtcctaac   120

gtgaagtaca cagagactga gattcagtcc gtgtacaact atgaaaccac tgaacttgtt   180

3645

cacgagaaca agaatggcac ttatcagtgg gttgtcaagc ccaaaactgt caaatatgaa   240

tttaaaacca acacccatgt ccctaaacta ggggtaatgc ttgtggggtg gggtggaaac   300

aatggctcaa ccctcaccgg tggtgttatt gctaaccgag agggtatttc atgggcaaca   360

aaggacaaga ttcaacaagc caattacttt gggtcgctga cccaggcatc agctattaga   420

gttgggtctt ccaaggggga ggaaatatat gccccattca agagcctgct tccaatggta   480

aaccctgatg atgttgtgtt tggggggatgg gattcagtaa ctg   523

<210>   8126
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220090h12d1

<400>   8126

tttattttttt ttttctttat tttttttttt tttcttttta ttttttggag ggaaaccaaa   60

aaggggtaaa aagggttatc tttatttaaa ataaacattt acattattcc cccaaaccaa   120

atttaacttg cggggtagcc agaccatacc tgaccaaaaa atttttaaca aggcatttat   180

ctttttttaaa ctaaataggc gccttttttca tttaaatggg aaaacaacac cgcttcaaaa   240

gttcgcaaaa attctcattt aaaaatattt tcaggggtga cttttttttct tccaagctgg   300

ggcaacatat tttactaata tataggtacc aacatgcgaa gtgctacaag aaagttgctt   360

tatttacata accatgccgt gttacttgaa catgggtttc actaaacttt ggataaatga   420

acgcatacaa attaaacaaa agggtttggc gtattttctc tggaagttga cagctccaaa   480

acccccaaaa atagctgggt tttaagttgt ttgttcctgg gtgtgaaaag accatccatt   540

tgtgtttt   548

<210>   8127
<211>   297
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a01d1

<400>   8127

aaccaaaacct tgcgaaccct tataaattaa attcatgtgt cctcgggcat agaaaaaaat   60

acataaaaat tatttgttca caacttggag aggagaccaa attgagtttc gggatttaca   120

ccatacgaga ttgtattata gcaattctgc tcaccttagc agacgatgtc gtgcacactt   180

gtggtgcaaa gacctccaag aaagacaaat tttttggct agagatcaga ctggggggtg   240

ggtgaaagtt ctttttttaa ctctctttca aataactgtt tttccatagc tagatgt   297

<210>   8128
<211>   404
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a03d1

<400>   8128

aataacaatc attctgtaat aatttatggg ccatggggat attgtttgca tcattcatat   60

tcatcatacc gcatcatgat tgcaaggaat gaaataccga aattcattct tcatttaatt   120

ctcttcaaat tcaatatacc ttctactagt gaatgtaaat gacttagcac cccgtattgg   180

cctttttctt ccttcagagt aactcgagtt atgcttcggt attaccacaa catttaactg   240

gtaaatttcc taggcatgtc ataaacettt atagaaaata acaacctcat ataaagatat   300

tctaggcata tacagttcgc ttcgaatata gaggccataa agttgtacta tcttttgaat   360

agttaagtcc aagggaacca ttttcaaaca gttgtcatgg attt   404

<210>   8129
<211>   318
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a04a1

<400>   8129

aaaaaacatg ccttttaacc ggcccaattt tttttaaaaa aaaccaaagg ggggcaaagt   60

tccaaccaac ttaaccccccc ccaaaaaaaa agttacaaac aagtgggaac ttttttttttt   120

ctattttgac cccaaccaac aaattctttt tttttttagc tttaacaagg ccaacaacaa   180

gtttgttttg caaaaaaccc aaactcttcc tagcaggggg ggtggctaaa atctttgggg   240

caagggggtt tttttttttt ccaaaaaaaa aaagaaaagg ccaccccccc cccccccttt   300

tatgtttgtt gttttttta   318

3647

<210>   8130
<211>   340
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a04d1

<400>   8130

atacattaat tatgtaataa tttatgggcc atagggatat tgtttgtatc aaccaaaaac   60

aatatcaccg gatcatgatg catggcatga aaacccggtc ttcctgtaat aattataacc   120

taaaaaacct atatacctgc caactacata aataaaaagc ctatagccaa tagtattggc   180

cttttatctc ccttcaaagc aaatcgcgat atcgcttttg ttatttccaa aacataatca   240

ctggaaaatt tcgttaggct gacataaaac ctttcataga aaatcatcaa ccctcatata   300

atgatacttg aaggcactat aaagtttcgc acttgaaaaa   340

<210>   8131
<211>   301
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a05a1

<400>   8131

aagtcaacaa aagaacccat aaaagcaaga aaacaagttg atgactggta ctgatacaaa   60

acgcacaatg ataaaatgcg agacaactta ttcatacaaa agcagcagga ctacttattt   120

catataaagc ttgctcttca cttcagttct tccaagaaat caacgttgtc aaccaagaca   180

gtttttccatc catctggatc taaaaacgaa gtggtttttg tattaaggcc aggaattggc   240

cctggttgcc gagtaatctt ccctccaacc tcttttatga cttggttaac tacctcagca   300

c   301

<210>   8132
<211>   575
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091a05d1

<400>   8132

3648

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aaccaaaata atccattcaa tgattcaacc gaacaatcaa caatacattg cgtaattttg   60

ataacatagt caccaaacaa atgaaccatc ttgttacaat gcaacatcaa attcaatgcc  120

caaagaacac cacagataca tacatacaca catagaataa cttttccttc cctcaacctt  180

ggtagtgtta aatcaggtcc acagcagctc aatatgtttc atcctcattc aatttattga  240

gattgagaat atactacatg ttacatccag taaaatatca catgagactc aattcataca  300

aacttataga cttgtagtag taatagtaga gggtatatca agaaatcaaa actaaactac  360

ttcacttgcg atcgacaaag gtaaagcgca atgaaaacac tacctgccga cccaaatttg  420

aatatcaaac atggaacatg aaagtaaaca aaaagagaca gcaaagatac ctaactaaag  480

aaagcaaaaa actgaccaga gattgtgacc ctttcttgat accagancaa cactttatta  540

gcataaaatc ctttaggcat angtttatgc aatgc                             575


<210>     8133
<211>     438
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220091a06a1

<400>     8133

gcctcataca ttaacgagtt aatattatat tatttatatt attagttagt ttcaaaatta   60

ttatatcttt ttatataact aagaaggtgg ttcggaaccc angacttnac anaagaacgg  120

aaacggctcg agaaacacgg ccaaaaaaaa agaaatttca aggggtgatt tttgtctgct  180

aagttgtaaa ataggggtat aatgggattg gggtgatgtg agccgtatag atcttgtgag  240

aaatcgacgg ttgaatgtat ttatattggc ggataaatga agcgagttta tgtgattgag  300

ggttgacagt ggggagacca gaagcaggca ccgttgaaag gataagctaa aaaaaccgtg  360

ggttgcatgt aaatattggt ccgttttcg ttagcacctg ccacgttaga atctactact  420

accattatgg cgtcggaa                                               438


<210>     8134
<211>     565
<212>     DNA
<213>     Glycine max
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<223>   Clone ID: jC-gmfl02220091a06d1

<400>   8134

ccaattcatt cattgcttaa aagtagccga gagagagaag cgaattataa aaaacaataa   60

tcaaccaaac ctagggcgca atttatcaaa gtagtgatta acacatttgc aagccacgaa   120

gcaacatact caactttcaa aaatctgaca ataatgcagt caactaaaat tctgttctaa   180

cacctcaaga aatgcaagag ttctgatatt aacttgaaga gcatcaaaag gccaccattc   240

tctttggcat cgaaagtgaa atatagcaac tccagtcgta taccatacga agtttaaagt   300

cttctacccc ttctaccact ctttctacgt gtactatccg aaggaatggg agtaacatcc   360

tctatacgac caattttcat tcctgaacgt gcaagggctc gaagagctga ttgagcacca   420

ggaccaggtg ttttggtctt gcttccacca gtggcacgga gcctgatatg aaaagcagtt   480

atgcccagtt ccttacatct ggcagcaaca tactgtgctg.caagcatagc agcatatgga   540

gatgattcat ctctgtcagc tttaa   565

<210>   8135
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091a07d1

<400>   8135

atatagaaga cccatttatt atccactaaa caaaaagtta tcaagagagg aattgtgcta   60

cattgatttc aattccttga gataaaaaaa tgtagctaac tctaaagtta agtaatgaaa   120

taaaaataat taaagaataa agaagcacaa tcattacttt ttaattaatt tatattgctt   180

gctttcgcaa ctcattactt ttattgccaa ttaagtattg tcttttgtg cctatggtgt   240

ttcggcacgc caggaaagta aggaattcca gtaacctcaa tccaatcagt tccatgaaaa   300

aacttagatg gtgagaacca acgtgctgct tttgaattga ggttccaaat cccagcccat   360

ttcacacgct tggatttgtc tgaaccaggg ccaatgttgt ggtactcggc atagaagcaa   420

gtatccatac cagaaggacc ctctagtcct tgccatggca aatacccaat cgcgtcaatc   480

aaatcatcaa tgtatgtgtc catgataatg gtcctagagt aattcttcca tg   532

<210>   8136

3650

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<211>      462
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091a08a1

<400>      8136

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ggcgaggtta catcggttaa agtaattcga aacaagcaaa ctagtcaatc tgaaggttat     120

gggtttattg agtttaatag tcgtgctgga gctcagagaa ttcttcaaac atataatggg     180

gcaataatgc caaatggggg gcagagtttc aggttgaatt gggcaacttt tagtgctggt     240

gagaggtcgc gccacgacga ttctccagat tacaccatat ttgttggtga cttggctgca     300

gatgttactg attatcttct tcaggagaca tttagggctc gttataactc ggtgaagggt     360

gcaaaagttg tcattgatag gctaactggc ccgaccaagg gatatggctt tgtaagggtt     420

tcagatgaga gtgagcaagt gagggctatg actgagatgc ag                        462


<210>      8137
<211>      495
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091a08d1

<400>      8137

ataagagaat aaaaatcttt tatttatatc acagtcgtac atatgatata agtaacatag      60

ggctaacaca taaagagaca cataaaaagg gttacattat gggaacaccc atgatttatt     120

aacccatagt ataatgccac cagaccagac cagacctaca aagcataaaa tatttaagac     180

ctaaactatt acatgggaag aaaaatgcat taactgcttt ttgagtcaag ggactttcac     240

atgaccctat ttaatgacac aatcaaagtc cgcgatacac gagttaccct ctgcgcattt     300

tcactggtac caaattgaaa cctcttgctg attctgaaga gaatccattc ctactccttg     360

tatatcctac ttgaaatcaa aggatgacac atcacaaggg gaattaaaca tcaaatggat     420

atcattgttg ctgtggctgg tatcaaaagg agtgttcatg atcatgttca tgttcatggt     480

ggccttgaac cggtc                                                      495


<210>      8138
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<211>      425
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091a09a1

<400>      8138

aaatcataat gcataataga gatcatttca taaataagta ttcagcaagc aatttatgga    60

tacaaaaggc ggctccgata aaatttaatg ttattaagca aacaagggga aaaagaaaa    120

agagtagcag agtcggtttt ccacgagacg agaagagaca cgcaactcga taagtatcac   180

aaaagattac agaagaaaag gaacattctc ttctcaacta tatcctattt gttgctgttg   240

ctgaggtggt tggtaaccag dataccccgg ataactgcca tacatgttgg gatcctgtcc   300

agcagcagga gcatacccat aattttcata accttgtgca gcatacccat agtatccacc   360

accagaacca gcaccaccat tccactggtt tggatctgcc tgagcctgtt tgtttgaagg   420

actgc                                                               425


<210>      8139
<211>      542
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091a09d1

<400>      8139

atcgtaattc aatgttgcaa ttgaggtgcc tagcttggat aagcaaggct atcataatca    60

caaacacaac cacatgctct gtaaagatca tagacagaga ataattgttg cccacaacgc   120

caacacgctt gagaaagatt cggggcacat taaccatcaa aatgggttac atagtcaagt   180

gcatgcatac agacatagta atagtagtat taaagtagat aatgaaaacg aacatacaaa   240

catatgtatg catatgtaac tatgtatact aaaatattca attttgacag tgtaaacaat   300

agcggccaaa atagttcatg aacatactca acatagcggg ttgaaattat aaaatgaaag   360

ggtgtgagga ataataataa caactttaca tagataatta tgcatgccca tgtttccatc   420

ttcgtgtaaa caataatgca aacggaaact gttcctgtta acaaaggat cagtactact    480

ggtataatgc tacattgaca taatctactt tgatgaaatg gcatttcatt tcttcctgag   540

ct                                                                  542
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<210> 8140
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091a10a1

<400> 8140

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atgatcttgt acatagatac aagagatcgt tattaattgg aggccaagat cctctgaata   120

tacaagatat gccattgtct tgcacaatgg aaaaaccatt taaagaataa cacttcatac   180

aaataatcat attttcagta acaaacaaat agaagtggta gaactactat cggtaaattt   240

atcaattttc caggcagaga accaagagtg aactcatgag gattgaattc cttattctgg   300

ctcggcttgg tccatatgta tatatatgaa ttgcaattat tcttagccta ggagcaagaa   360

tggggggact tatgggccta tacttgtgtg a                                   391
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<210> 8141
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091a10d1

<400> 8141

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gaaattgaat tttcgggaac tgtttgtatg gttgttagtt atgctgttaa gtaaccgaag    60

cctctgactg tctaaaggga cattggctcc ccacggatgt gcccagagca agattgttgc   120

acctactgta agcacaaatc aaatgccatc cctaaaaatg aagagcaaag taagcgtgag   180

ctgtttaaca gaaacaaagg atcttcatgt gtgtccgaaa tcaaaaataa tttccaaaag   240

cccgtgttct aaaatcatga tttctacaca aaaggctgaa atagacacca ctgttcaaaa   300

ttgcctagat gtttcctcaa ggacgcagcc caaagacatt gcatgggatc aatctattga   360

taacaaagaa tttctggata aagaaaactc tgaatctgag ccccaatttt ctggttgctc   420

ctctgtcctg ggaaaaa                                                   437
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<210> 8142
<211> 412
<212> DNA
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091a11a1

<400>      8142

aatagtcaaa taatattagt tcccaaaata attaaggaaa attcaacatt tacatcgcat    60

actccattga aatcacctct atgtaagtaa ttatgaacta tgaacatctt gtttattgaa   120

caagggtgaa gtccaatcat gcccaattta ggaggcaaca agtacaactt atttttcttt   180

cagggagttc tcaatatcta tcacaaaccg tacttgacg tccctattga tgagcctctc   240

aagagcttca ttggcatact cgattggaat tacctctata tttgggtgaa tctcgtttgc   300

agcacagaag tcaatcatct cctgtatatc ttttgtacca cctgtaacac ttccggctac   360

agtctttgat cctatattaa ggcttgcagg gctgaatttg acttgacttg gg           412


<210>      8143
<211>      562
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091a11d1

<400>      8143

aatgaaatta aaatacaaga aattgaattg cctcatgcaa acaaaatatt tacaaaatga    60

aaagaattta aatcaagaca atcaaaatgc tgtcaatttg aatttcctaa aaatctttaa   120

attcctcatc caaacacata gttaaacatt ttccatgctc cagatatacg gttttgtgaa   180

acatgacctt caaccatagt tgttattgcc ataatatctg gcttaattcc ttttcccagc   240

atctcatcat acaacatgca agttcttca tacctattca acctgaagag atgttgtatc   300

aagtctgtat atgtggaaat agtaggcaca caaccagatt ctttcatgca ttgaaacacc   360

tcaagcgctc tgtcagcatc atttcttccc aaataccat ttatgacaat cccatgaacc   420

cttccatcat ccatatccct tctcttcata atatcaacaa tctctaaagc atatgtaatc   480.

ctgcctgcct tacacagcct tttaccaagt tcttataatt ttcaggtcca gatctaaatc   540

tttattttg aggtcacgaa tc                                             562


<210>      8144
<211>      417
<212>      DNA

3654

<213>        Glycine max

<223>        Clone ID: jC-gmfl02220091a12a1

<400>        8144

agacggagta aaacacctat tattatataa ttttggggac aaacattatt agtagcacca      60

gcctctagca agctagggcg ttattacatt tttcttttgt cacatttaac tacgatgttt     120

ggaggtaaaa gggccttatt gagcacaaag cttggaagat ccaaagcatc attgctgcta     180

ccatctgaca acttggaagc aaaagaccaa gaaatcacat catgggtttc aacggagcct     240

tcatgcaacc cggtggtggc agagaaccca acgctcaccc attcgggaag attactcttc     300

aagttcactg tgtcagagag gatgtaactt gttttctttg aagggtggat cagagaagca     360

accaagaggc tcgtggcggc attataggta acgagaatct ccgccacttg tccattg        417


<210>        8145
<211>        526
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220091a12d1

<400>        8145

catccaaaga attactatgt caatccattt atacaaggta aaatttggct gctggctggc      60

caatgatgaa aatttgtcta tccatatttt acagggtcat ttcattgtac atgagaattt     120

aattaagttc gcagaagggg ttaagtacag gtagcatata ttagagtact ttagagaaat     180

ctggtgggca tgtactcatt tatccggaga ggaagacggt aaaactcatc atttctaaca     240

tctcccttcc tattctggaa aggaccccac catggaagtc ctctgtccac agctgtttgt     300

ttgccttcaa gtgtgttgtc aacaagagtc ccaacaatta tagccacagt tggggcagaa     360

gagaatatgg tgttcaaaat gtcattaaac catccaccac ctgttctaac tggaccatga     420

ccatccggtg cagtgttcat gacaaaatat tgtggtattg atatcgcaag gaacaaggtt     480

aggcccagaa catagatatt tcttatggaa ttggtatttg caaact                    526


<210>        8146
<211>        409
<212>        DNA
<213>        Glycine max

<223>      Clone ID: jC-gmfl02220091b01a1

<400>      8146

gacaataact atcttcttac aaattttaaa aaaaaaaaga aaaaggaagg agggaggaaa    60

gggggaattg aatccaaaaa aaaaagaaga gaaaaacaaa atgggcaggg tttggacttc   120

gaagatagca ttggtgcttt gcctgatgaa attatcggtt cggggcgagg acccttacat   180

ttactacaca tggaacgtga cctacggcac cattgcccca ttgggtgtcc cccaacaggg   240

tatccttatc aatggtcagt ttcccggccc cgaaatcaac ttcaccagaa acaacaacgt   300

ggtcaataat gtcttcaaaa acctagatga gcctctcttg gttacatggc atggtgtcca   360

acagaggaag aactcttggc aagatggcac attgggtgcc cagtgacct              409


<210>      8147
<211>      407
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091b01d1

<400>      8147

accatattat tattttacag gggtttgtga tttttagaaa caaggaatac cattttttat    60

ctaaatgggg caccaacaaa aagaccctac acttcagagg aacatggttc agaagtgcaa   120

aagttgcatc caaacaacca tgaaggaaaa taatgaagct attcccagat tccgacctcc   180

atgaagccat ttttagtggc acagcccta aacatgccat tgcaattgaa accataatcc   240

actttccaaa cgttggacac agaaatgaga ccacccttcc cttaatagag acggggcttg   300

tttacaaaat ccacggcttc tttaaacttc aagcctttgg gtttcattat cgctgttaca   360

aaaagaacaa atgtgttaaa tatgattttc tgaccttcac ccgtgca              407


<210>      8148
<211>      408
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091b02a1

<400>      8148

ccgttgctta cttcctcctc caccgttggc gcgacaagat ccgcagccac acccctctcc    60

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acgtggtcac tctctccgag atcgccgcca ttttctccct catcgcctcc ttcatctacc    120

tactcggctt cttcggcatc gacttcgtcc agtcctatat ctcacgcgcc ttcaacgacg    180

cctgggacct cgacgacgcc gttacagatt ctgcctgttc ctctccctgt ccctctcgct    240

cgaccgcaat caccaagaat gccgctcacg ggatgcctcg aacactccat tcctctagga    300

cgaccagggg agcgcctgca cacacggagt ttgtgaagag ccctgctacg cgctcgagtc    360

ccgcctgggc gactgtcgcc gtgccgcggt gattcgacgc gcggcgct              408
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<210>   8149
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b02d1

<400>   8149

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gaaaaaatga tgcactgcag gtttccactg gtccatccca caagacatct gggtaaaaag     60

aaaagaacta cattttatct ttttatccta ggggcagata ttgaacatcc tttagtattt    120

gttgtaggag agctacaatc acattttctt cttcatttgc aagccaaaca caatatgaag    180

cattgactgc accttctctt tttataagaa gatacagaaa aagggggaaa gaatattagg    240

gttggaagaa ggtggaaaaa ttgaacaaaa aaagagatgc tgctcatcat ccagaaacaa    300

aataaggttc tgcctaccca ggaattttga aacagccact tgtggatctt ttttctaaaa    360

gctcctgcta aagattttga agggcacttt gtagtgtgag ttaatgtagc ctccaact     418
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<210>   8150
<211>   393
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b04a1

<400>   8150

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ccaacaaagt tttttccttt ttcattaaac ttcctttttt aaccccaatt gccaacaaaa     60

aacctatttt ttcttttata aacctattcc cctcctgtag aagactacta ctacattttc    120

atttttaccc cccctttctt taaccccta ccattttttc taaatcaccc ccaccccaaa    180

aaaagattaa aaaaacactt ttccccaccc taacaagcaa aagatttatc atcattatca    240
```

```
gtttgtccac tcctggggca gcctaatctc atgggacact ggtggctgag atttgagggt    300

gcgcttctgt tgttgagaaa ggacataatt actcctctgc ctggaaacag ctgcaccatt    360

ttccatgttg gaactagcat taaatcgttg taa                                 393


<210>     8151
<211>     128
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220091b04d1

<400>     8151

ggaccccccc aactccatgt aacctcnatt gcaanaacnc gnnacggaat tatatacccg     60

ccgtcgacca cgctcactag atcggtcggc cgcaccttat ttttttattt tttctttat    120

tttctttt                                                             128


<210>     8152
<211>     373
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091b05a1

<400>     8152

aaaagaaaag ggattatttc ctatttattt tctcaagcca aatgcattta tacatcgtta     60

gattatttaa tacatgcata cgaaacacgc acattggctt ctacacattt ttgtaataat    120

tttgagatcc gaattctcac gtcaaattaa atttctcttt ttgctatctg tacctttaaa    180

ccatccttca taagaagaac aattgaaggg cttggggtag caacatgatc caccactcga    240

acacgatact tgtgcaaaat agcagctgcc accatcttca tttgaatgaa ggatatttct    300

ttccctaagc aagtcctagg tcctgcatta aaagcaatga atttgtaaga tggtacataa    360

acaatacctc ctt                                                       373


<210>     8153
<211>     446
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091b05d1
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<400>   8153

aatggtgtgc tgacacataa ttagaaactt agatagtatt aagaatttta cactgataat   60

atattgaatt tgtactctcc ctcccccttta ttacattgaa tatatggcaa tcttttttcag 120

ccaacaagtg aagcataaat ctggtagagc tttgtctcta taattaaaag actgaaagaa 180

atgcttgctg tccagctaca tctgaagatc tgcaggcatg tatcatagtg catatatctg 240

tcgtctctag gattttctct gcatggtcaa aaatcaagtg tccatactcg aaaaccattc 300

tcttgcactt atttgcatac ttctccactg aattgcacac ctttagtaac gtctcaatta 360

tctctagctt agtatcactc tccttcaact tttccaatag agttgaaaca gtatcttggc 420

aaaactcaca gctatcatct tgaact   446

<210>   8154
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b06d1

<400>   8154

aacagaaatg cagatacatt cattttgtaa taatttatat acaatattga tattgtttgc   60

atcaaccaaa aacaacaaac cggtacatga tgcaaggcat gaaaaaccgg tatacattca 120

aaatatagaa gcaaaaaaac aaaaaactgc taactagaga agtaaaatgc cgaggccagt 180

agttttggcc tttttcttac ttcaaagcaa atcgtgttat gcttcggtat taccaaaaca 240

tatcactgga aaatttccta ggatgtcata aacctctata gaaatcaaca acctcatata 300

atgatatttt aggcatataa agttcgcatt gaaaatagag gcactagagt agcagtatct 360

tttgatagca atcaccaagg gaaccatctc caaacagttg tcatggattt tcatgttgta 420

taagggacta cctatttccc agagtaccag ttttgagcac acttggcatc aacagagagg 480

tcaactttaa gaatattttt gccgttaagg gtttggacat gcactcaaca actatggact 540

<210>   8155
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b07a1

<400>   8155

gaacattcaa ttgcaagctt gcttgcacaa agcgccagtt agttcaaagg aacgaggctc   60

aaaattgcct gagctgtggc cagccagact gatcaaagtg ccttattggt tgtcgagttc   120

ccaagttgga gtttatggaa agccagcccc tcaagatttc actgctgatt atgaacactg   180

gaaacgtgta gtatccaagt cttatctaga cgggatggga attaaatggt caaatgtacg   240

caatgtcatg gatatgagat ctatctatgg aggatttgct gcagctttga gagatttgaa   300

tgtttgggtc atgaatgtgg ttacaataga ctccccagat actcttccta ttatttatga   360

acgaggtctt tttggtatat atcatgattg gtgtgaatca tttagcacct atcctaggac   420

ctatgatctc ctccatgctg atcatttgtt ttcaaagctt aagaaaggt gcaatttggc   480

tgctgtagtg gctgaagctg atcggattct taggcctgaa ggaaaactat tgttcgcgat   540

actgtgag   548

<210>   8156
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b07d1

<400>   8156

gcaagaatgt gatcaaattt ccttcacgct atggcaccat gttacaacag aggtcaccaa   60

tttaataaat ataaataaag gatatcaaaa ttaatacccca acaggaaaaa agaatacata   120

gatattccta actaacatga tacatatgac tcagtggaag tacagttaaa caggaatttc   180

gagtagccaa aaaaccaaga attttggcat ctcatctcca tgcttaagca atagcatact   240

cgagcttttc ctgctcctta ggtcgccact tggacttttc cacacataac aaaccctcct   300

tatccttgga gtaagtcatg cgaacctttc actgcataga cctagccatg ctctcaagct   360

cttcaatgat ctcaacagta tcgcgaacaa taagtttttcc ttcaggccta agaatccgat   420

cagcctcagc cactacagca gccaaattgc accttttctt aagctttgaa aacaaatgat   480

cagcatggag gagatcatag gtcctaggat ggtgctaaat gattcacacc aatcatga   538

<210>   8157
<211>   434

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091b08a1

<400>   8157

attccaaacc caaaaccata aagtttgcat taaatttcga agaaacatga tatccatctc   60

aagacatatt aatgaacaca tgtaagagcc ttaaatgata caaactaaca gaaatcttaa   120

atataaatgt tcttagagtg aatcaacaca caaaattaaa ctaattaaga ttacttaata   180

atctatcttg ctcatcatgg tctaggcttc attcttcctt cattggccat cttgaagagc   240

tgggcttgtg cttctgcggc cttgttggag ttgagtgagg ccacaaacct gtccctgact   300

tggttggtag tgtaagggaa cttgttgttc accatggagt tgaggaagga agctgtgcct   360

tctctgtaga gtgctcctag cccatcagtt cttgtgttgg aaagtgcttg tggcaagctc   420

aggccaggac tgaa   434

<210>   8158
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091b08d1

<400>   8158

catcttaaaa gacttcatgg ttgattttgt tcatgtggat tacaatcttt aaattcaaaa   60

taactgttta tagtaatatc taatctatgt taccacacta tatatacgcc tctaaccaac   120

tttatcattg gagatgaaaa caagagcata ttgtacaaaa ctagtcatgc acctattcag   180

cagtcttaaa ccacaaaaga acccatatat ctgcccccat tcaaatcaag ggctttttat   240

ttccacatct tttcctaaca aaattgttta aaacttgtgt ccttgagagg ccatgccttg   300

accttggtca atctgcatga ttgttcaaca aatagtgaag ggataggtgt cttttcccat   360

gggatgatcc caaaatcatc agtaaactcc tgcattcctc caactaagat ttgccatact   420

agagcacct   429

<210>   8159
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091b09a1

<400>   8159

aagtatcagc cattataatt gttattgata taggttataa tatgagatgc caggaattac   60

catgacatac acttgtaaga catattgtat atctgctaac atagtataac ttctgccaga   120

aattcgttct cctgctttgg aattggctta aaataaaaat aaccatagaa gtcaaatttc   180

aattaactac atctaccaga aattaaagaa aaaaaaaaca ttggacattc cctccttcta   240

ttgaacatgg ttgtattacc aaccatttt ttttaaaaat catgataata aaaacattta   300

gcagtttcct atatacctga gatggtactc actaaccttt tctattacaa aagatcttct   360

acggagaata aagaaagatg gaagttataa aaagagggaa gggctgttat gcattcttga   420

<210>   8160
<211>   382
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091b09d1

<400>   8160

gaaatcataa aattctatat aataaagaca acatatataa ctgtatccta tagattacac   60

acaacaattt cgagctttat tctataaatt aagaaaaaga aaatagacat gctatctttc   120

tttggaccta ccaagtagct ccaatcattt cacaactgtt acaatattac aagatcagaa   180

atttcaaaca cacaattgaa gctagcacat attagtatgc tttctcaaac acaactggga   240

gcacattacc atccaaggcc aacgaaatct tcccattctc acgcaaacca ccaacaatgc   300

cacagtcaaa cctacaaaag gggcatacat ttgtaggaca ccaacctata taatatgaac   360

cttcgactgg aggctcaaga at   382

<210>   8161
<211>   380
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091b10a1

<400>   8161

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt   60

3662

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ttttttttttt  atttttgggt  aaaaattatt  aaccttttttc  taaagttgaa  ggtatatttg  120

gctaattaaa  atattgttgg  ctggagcaaa  gaaaggcaaa  aaaagagccg  gggaaaaaaa  180

aaaggaaaaa  ccaaacacgg  ggggggggg   agttacagaa  aaaaaaaaaa  aacccaaggc  240

gaacgaacag  ggggaaaaaa  aaaaaaaaac  gggcggggg   caaaaaaaaa  aaacacaatt  300

ttaaaagggg  aggcgagaca  gaaaaaaaag  atcctcccca  ccgcggcggg  ggaaggaaaa  360

ccaaaggggg  gggcggggggg                                            380
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<210>   8162
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b10d1

<400>   8162

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agtatataat  tatgtatagc  atagataata  agattcatac  accccacaga  aaaaaaaggt   60

atattttagg  tgccacccag  gcctatactg  ctagcgtggc  caaacttccg  atcagaatta  120

ggaatgatct  tgttccatct  gatttagatg  gaacccacct  tggttattct  tgtgtacctc  180

taccttgaac  ttctcttcct  tctgtcccct  cttgactttg  agaagcagat  taaacttggc  240

aaagtcatca  atgacctcag  cctttgcatc  agcaacctca  tgaagctcat  agggtactag  300

tgaattagac  ctttgctgga  tagtcttgat  cgcatgattt  gctgcatcct  gaacttgagg  360

gtcatgtgtt  ggcacagatt  gccatccagg  ttggtgacca  tcctttttga  caccaagatc  420

agcagaggta  aatgatggta  catcaccagc  aggctcgaac  tcttggagtt  ctttgaaatt  480

caaccatggc  ttcacccaca  ccttggcttc  atagagcttc  ttc                 523
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<210>   8163
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091b11a1

<400>   8163

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acccgacaaa  actcgtaata  taaacctcat  agccattatc  tggggatttt  tattttaggg   60

tttatttaat  tggacaattt  tatattttat  ttcattcggg  gcatattaat  cctaaagccg  120
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ctggtgattg tgtaattgca cccaccatat ccagtgctac gcagggctgg tcagtaggta    180

caaaatgacc cgctccaagg atccaataga attggggggtt tttgtatgac ttaaaaaacc   240

ctttgggcgt tttgtcactt ccacagtaga ggggggtttt gttttttttcc aagaaatttt   300

gaagccctgt ccactcgagt tttttaagcc aagcttcagt ccccttggtt gcacaaatga    360

gatccacttg cccactgtac acagtcacgt tgaccccc                            397
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<210>       8164
<211>       394
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220091b11d1

<400>       8164
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ggctatatcg gccctactcg gagccaattc cgatctcatt tcctttggct tcaggattgg    60

cctaataaga aaacaaataa ttccaattca tatatgaaca tttttgcctc cttatttctt    120

gaaaatgtgg aattggaatt ccccgaggaa ttccgatctc atttcctttg gcttcaggat    180

aggcctaata agaaaacaaa taattccaat tcatatatga acatttttgc ctccttattt    240

ctcgaaaatg tggaatcgga attccccgag gaattccgat ctcatttcct ttggcttcag    300

gataggccta ataagaaaac aaataattcc aattcatata tgaacatttt tgcctcctta    360

tttcttgaaa atgtggaatc ggaattcccc gagg                               394
```

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<210>       8165
<211>       362
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220091b12a1

<400>       8165
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gggggccggg ggaaactttt ttttaaaaaa aaaaaacatg gggttatcct ccccccccaaa   60

acaagggggg aatcctggcg gtggattgaa ccggacatat cctttattgc ccctaggggg    120

aagaaaaata ataagctaaa aagcggggcc ccgcccaaaa tttttttttt tgcaacaggg    180

gacaaacata tttccaaacg ggtcccatat tatgggggggg ccaaaaaaaa tttttttttc   240

ccccaaaaag gccctaagcg gggaaacttg gaaacaagca aaagctcagc ttaggcgggg    300
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ggagcccccca agttttgccc actaaatttg tttttgcggc cccaaaaggg aggggacccca   360

ag                                                                    362


<210>        8166
<211>        410
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220091b12d1

<400>        8166

atgcactaca cacagtacaa gtagctatca tttaatcaaa agaaagggaa acgcgcgcac     60

gcacaaaaac aaaccatgat ttgctgcctt gattgcatgc gtcattggga taaagacaac    120

acgcccatgt acatctcaaa agggttggtt tatataacag ctgtctggtc tctgcattac    180

atcaacgata atggcttaca cgttccaaat cacaactcag atctctatac agcagctttc    240

aaccctaaac cgcattatct atttaattat ctataagggc caaaccagaa atatgaacct    300

ggaaggtttt atggaaaaag cactggtatg agtcttcaaa atgatgatcc gtttcatcaa    360

agatctcctc ctgcaaaagc tcttcaatga cattttccat gggaataatt                410


<210>        8167
<211>        381
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220091c01d1

<400>        8167

gcaaaatgga atttggttaa ttttacaagt tttaatccaa acatgcccta acttgtttta     60

atgaccctgc ccatagagac aagagatcgt tattaattgg tggccaagac cctttgaatt    120

tacaagatat gccattgttt tgcccaacgg aaaaaccctt taagaataa ccctcttttc    180

aaataatcat attttcagta acaaaaaaag gggatttgga gaactactat cggggaatta    240

atcaattttc caggcggaca accaagaggg aacttaggag gatagaattc cttattctgg    300

ctcggcttgt ccatatgta aaaaaggaa aggggggtat ttttacccett tgagcaaaaa    360

aggggggtacc catgggcccct t                                             381
```

<210>   8168
<211>   498
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091c02a1

<400>   8168

aaaaagagaa aaggagaagt gaatttttgg gaggcagaat gtgtcaagat tgattattcg   60

aacaaaaagg ttttctgtcg gtccaatatt gacaacttgg tgggaagtaa cgaattttcc   120

ttggactatg acttcttggt tgtagcagta ggagcacaag ttaacacttt taacacccct   180

ggtgtcaagg agaactgtca ttttctgaag gatgttgagg atgctcagaa gattagactg   240

tctgtgattg attgctttga gaaggctgtt cttcctagtc tatctgatga tgagcgaagg   300

tcaaatcttc attttgtagt tgttggagga ggtccaactg gtgtggaatt tgcagccgag   360

ctgcatgatt atgtccaaga agatctaatc aaactatatc caactgttaa agataaagtg   420

aaaataacat tgattcaatc tggagatcat atctngaaca tgtttgatga aagaataagt   480

tcatttgcgg agcaaaag   498

<210>   8169
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c02d1

<400>   8169

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ggggaactca ttatacaaga agggcagagg acaccccaac tagcaaaaaa ggtaaaacct   120

gattccctca attataggta cattaagggg aggcaataaa agtcataagg acaagcaaaa   180

acccaaaaat tagtattatt ctggggtgaa ccattcaccc caccctctcc ttttttccca   240

acaaaaaatt aaaccgcggg agggggaaat ttccttgcaa aaacaaacaa gaaataacta   300

taaacagggg cctcagtgag gagaacacca tcccaattga tgaactgaga agggcttgag   360

cacacagagg cattaggggg gccaaatgtg gcaaacacaa agaagaagta aggggggtct   420

cccga   425

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<210>      8170
<211>      425
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091c03a1

<400>      8170

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gtgttgtggg tattggccat gttgactctg ggaagcccac taccactggc cacctgatct    120

acaagcttgg aggcattgac aagcgtgtta ttgacagatt tgagaacgaa gctgctgaga    180

tgaacaagag gtatctcaag tatgcctggg ggcttgataa gctcacagct gagcgtgcaa    240

gaggaatcac aattgatatt gccttgtgga agtttgaaac caccaagtac tattgcacag    300

tcattgatgc ccctggacac agggatttga tcaagaacat gatcactggg acatcccaag    360

ctgactgagc tgttcttatc atagattaca ctactggtgg ccttgaagct ggaattcaaa    420

ggatg                                                                425


<210>      8171
<211>      411
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091c03d1

<400>      8171

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atcaaacaaa tgattttaat aaatccacat ttatgaaagg atgtttgtgt ataaacatta    180

accaatctat taatgttttt agtcatgaac gcatggcgtg cgcttagcac ctaggaagat    240

cagctggagg cggaggcact gataaagaag gagtgggccc attctcaacc ttgaaagcca    300

tggctagccc ccacggcaaa tgagttttct aaatggcaat gcacaagcca aacacctgga    360

ttatttgctt ggaatttaac aacggaccat cctccgacgg ggacagaaat t             411


<210>      8172
<211>      412
<212>      DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c04a1

<400>   8172

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attcccccaa accaatttta gatggcgggg tggccagacc agaccagacc aaaaaactct   120

taacaaggca tctaggtttt ttaaacgaaa tagggagctt ttttatttaa ctgggaaaac   180

aacaccggtt caagagttcg aaaaaattgg catataaaaa aatgttgagg ggggacttta   240

ttttttccaa gctgggggaa catattttac taatataagg gtaccaacat gggaagggct   300

tcaagaaagg tgcattatat acataaccat gcagggtac ttgaacatgg gtttcactaa   360

gctttggata gatgactgca tacatatcaa actaaggggg ttggcgtatt tc         412
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<210>   8173
<211>   296
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c04d1

<400>   8173

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aaatcacatg ggagcaaaaa tacacaaacc ttccttcttt atttcccccc aatttaatca   120

aacacaccca tggaatttac taatcccccct ttttggaagg tactcttcca cataaacatt   180

ttcccaaccc cataaagatt gacgagacta aactgtggca agacacttgc cttgtaggaa   240

aaatcacctt ggaggcgaag gcccctgata agaaggaat gggcccatat tgaacc        296
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<210>   8174
<211>   414
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c05a1

<400>   8174

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gcagcaagct ggatatatac atttaatgat gatgaaatat ttgtgcgaac agtggtatat    60

tcggcgcaac acaaatttaa aaaaaacttg cacttctatg attacataag atgcactacc   120
```

tgcatgacaa ctctacaaag cacctaggcg tttagcaagc tagttggtta caacggtggg   180

aaacaatacg tcgacttgga aacttaacaa gagacttgtg catgtccagc gtcttaaaag   240

caacaaacct ataagtgcac tcaatatcaa ttatgcacca gcacttaaaa ggctttagca   300

gttgtcacca atcagatatg ggaagaacca aatacttcgt taatcatccc aggcactatc   360

tgctgctccc tctttttttag aggctgtggc agtaatcatg aatttatatt gata   414

<210>   8175
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091c05d1

<400>   8175

ttctttttttt tttttatatg actctggtgt tatttttgac tgtgcctaac aatttacacg   60

atgcacttga tcatcctgca tggcgacagg ccatgatcga tgaaatgcag aggataacat   120

tggcccatga cgcgacacat gcaccaccta ataatcataa ttttacatct ttacatacaa   180

aatacaaaga ctttaaattt taaaaagaag aaaagagata aacagatcat cttaatgaaa   240

tgaaaccaaa acccacaaac attggcttga tttttgttgt tgttgttgtt cccaacttga   300

ttaagcatga accgtttgat tgaatcactt ggacttgaag ggaatggccc tgattacgac   360

ctggtggtag agtgctgcaa gagctgcacc gatgaatggt cccacccaga agatccagtg   420

ttcatcccaa ccaaggtcct tgttgaagat gatagcagca ccaagactac gagcagggtt   480

gataccagtt ccggtgatgg ggatggtttg caagtgaacc aagaacacag cgaaccc   537

<210>   8176
<211>   378
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091c06a1

<400>   8176

tgcaaaaaga aagaatctta ggcgagttta aagattgacg gcaaggaccc tgttgggtcc   60

ctgggggcga acattttccc cgatagacat tcgattgcga ctgcggctca tagccatgac   120

gaccttaagg actaccacga gccggagcct gtgccgtttg gcggcaccga ctgtgttcaa   180

3669

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gttatggttg ttttcagagc aaggatagca tagatttgcg gccaattttt tgtttgtcta    240

cttcaccgtt ttaaccgata agggagtcgc cggcgctaag tcctatctga atacccgttg    300

ggactcaatg aattcgattg gaccttcggc ggcatgatct tccacctctc tttctgcacc    360

gctggcatct cattgggg                                                   378
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<210>      8177
<211>      423
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091c06d1

<400>      8177

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ctactgcggg cgcgctcctt tttttttctt tatattactt ttttttgttat ttttgattat   120

gcataacaca taacgggggga acattaatac atcacacatt acataaacca gtttccaata    180

cagtcacaat aaaaccagga ctttaacccct aaaccctaag cctacgaatt tattgtaaaa    240

taataacctt aaatacacac taccgtgtct ttaaacttta accctaagtt tttttgccca     300

taagtctacg agctaacaga aagcccctgc tccaaaagat taccctatca tcaggagtcg     360

ctccaaggct ggcttctatc aaagagcccc acgaggcatg cctcactggc atcctaaaga    420

act                                                                   423
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<210>      8178
<211>      578
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220091c07a1

<400>      8178

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tggccacgaa tccaatcgaa gcggggaacg gcgacgctgc tcccaaccct aacgcgacta    120

ccaaatcctc cgtgtacctg caagactcgg aggagctgaa gcgagtcttc agccgcttcg    180

acgccaacgg cgacggcaag atctccgtct cggagttgga caacgtcctc cgctccctcg    240

gatccggcgt cccgccggag gagctccagc gtgtcatgga agaccttgac accgatcacg    300
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acggcttcat taacctctcg gagttcgccg ccttctgccg ctccgacacc gcggacggcg   360

gcgacaccga gctccacgat gccttcaacc tgtacgatca ggacaagaac ggcctcatat   420

ccgccacgga gctctgccag gtgctgaacc gcctcggaat gaagtgctcc gtggaggaat   480

gccacaacat gatcaaatcc gtggattccg acggcgacgg caacgtcaac ttncccgagt   540

tcaagcggat gatgagnnca catcgcgaaa atgctagc   578

<210>   8179
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c07d1

<400>   8179

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aaacgagaag aaaagaaata gcggatcata acagacctag atttattagt caagagattg   120

tgcagcgaaa gtgcctagcc tatctataaa attcaaatcc aaagggccta atctgttttt   180

tcttcagcat tgctagcatt ttcgcgattg ttgctcatca tccgcttgaa ctcggggaag   240

ttgacgttgc cgtcgccgtc ggaatccacg gatttgatca tgttgtggca ttcctccacg   300

gagcacttca ttccgaggcg gttcagcacc tggcagagct ccgtggcgga tatgaggccg   3'60

ttcttgtcct gatcgtacag gttgaaggca tcgtggagct cggtgtcgcc gccgtccgcg   420

gtgtcggagc ggcagaaggc ggcgaactcc gagaggttaa tgaagccgtc gtgatcggtg   480

tcaaggtctt ccatgacacg ctggagctcc tccggcggga cgccggatcc gagggagcgg   540

a   541

<210>   8180
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c08a1

<400>   8180

atccgcaaaa ccaatcacat tttaaaaggt aagagtatta tttccatgat aatctgattt   60

aaaagtactc cgcaatataa acagagtata ccaaaaaaca ctcgatctac agctagtaac   120

taaatcctcc attttatgat acggataaac agccgaaaga aagaaataaa gggcaaaaca   180

taaccctgca ttaattggcg gcacgttgag ttgagcatgc attatttgac tatgcagatc   240

tttatgacag aggcagctcc aatacgatgc agggcaacaa ctgcatcacc aggcttacaa   300

agggcccttt ctgttgcgga cttaagagca gcttcgagaa tgacctctgt ggattctgca   360

tcggtagcct ttgcagatcc ctcgcccagt ataggaatca agcccctgt   409

<210>   8181
<211>   634
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c08d1

<400>   8181

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caccgacgac cagatcgccg agttcaagga ggccttcagc ctttttgaca aggacggcga   180

tggttgcatt actaccaagg aacttgggac tgttatgagg tcacttggtc aaaacccaac   240

tgaggcagaa ctgcaggata tgataaacga ggttgatgct gatggcaacg gaaccatcga   300

tttcccagag ttcctcaacc tgatggctcg caagatgaaa gacaccgact cagaggagga   360

gcttaaggag gctttccgtg tgtttgacaa ggatcagaat ggtttcatct ctgcagctga   420

gctccgccat gtcatgacaa atcttgggga gaagctgacg gacgaggagg tggatgagat   480

gatccgtgag gccgatgttg acggtgatgg acagatcaac tatgacgagt ttgtaaagtc   540

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gagggacagg gcagataagt tttgatgaga attc   634

<210>   8182
<211>   382
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c09d1

<400>   8182

ccaaactgtt atcaaaagaa gattttccga catgcataaa cgcagttgat agtttcatat   60

3672

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ttatagattt ctataaatat catatggtga tgaaggcggt taggccagtc aattgaccgt    120

ccacaggacc tttaagcatg gcccctatag tttccaatgc gaaatggggg ccacattttt    180

aacttaggga acccatagga ggcccttgat aagggatgat gttcatacgg aaaaagagga    240

tccacggcca aactgagggc cccaaagctc aaaagatccc ttaacaaagt gatagtatcc    300

tccttttagc gacaatgtat tgtcaaccaa gccttttta acaaatggat atgttaaaag     360

gttcccaagg gaaacattca ca                                            382
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<210>     8183
<211>     420
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091c10a1

<400>     8183
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gaaacataat tgacatcaac acgaataaaa ccgcacaacc attgaatagt gggaaagtaa     60

caaaacgctt tacttgaagc ggacaatttc ccatttatat tgtatcacta tcgtctaaat    120

aaatgactcc ataaagcaca tttacagcag cacaaaatgc acagccactg ccttttatta    180

atccataaat cacttcatac atagcactgc attactaact atgacgttca cacttcaatg    240

gctgaccaac ttaagagagt ttgccttctc ttgcagagaa tccaggaggc tgtcaaagct    300

cttcttaaac gagtccactc cttcaagttc aagctgggaa ccaacaaagc tccagtcaat    360

acccaatttc tggagagcat tgtatattcc ttcagcttca gatgcatttg agtctattgt    420
```

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<210>     8184
<211>     526
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091c10d1

<400>     8184
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cagagattat ttctgtattt tcatcaaata caacaaatac aaagctgctg catattacaa     60

gcacctaaat attttaccaa aaagacgggc ttgagaacca ttaaatcgcc ctacactgta    120

ttgagcaaat aacaaaaact ataatacagg ggtgcagcaa aaagaggtgt ttgccgctca    180

cagcacaatc tactacctgc ctggtcaatc ccctttccct ccccatgatt catcctctct    240
```

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tgcaatactc ccagtctgac cgccatactt gtcagaattg gaataatgca ttttgattgc    300

agccacagga tctgagaccc cactgcacga tcctcccaca agaatccccg gtcttccaac    360

accattcatt cccatcactc ccctgctctg ctgctgtaaa cttgagattg cttcgaatcc    420

atttcttctc tgcatctcag agaatacatc ttggcagtgc ttgacatcta ccataaatgg    480

ttgcactttt ggaccatccc ttctaaacaa ctgataatca atcaca                   526
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<210>    8185
<211>    425
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220091c11a1

<400>    8185

cacgatacaa tttaagctta tttttctaac ctcaaacttt aatgcatcat ttttctaaat     60

tttgttacct aattaactac ttaagtatca agtacgatta cacttttcta ccattttgtt    120

ccatctttgc ccattgaagc atacaagttg caaccgaatt tgatcattac tatgttttca    180

cggtatagat agctctattt ctcatttacc gtcacactct aataatcagg gatggcagaa    240

aagcggtatc ctttagcacc cctccatgca taatatgcaa ttcgagtctc ataaaaacct    300

gggagaaagc taaggaaccc tagggctaaa aggccatatg cttgagactt ttctcccccc    360

atatgaccag tgaagataaa gtatgaaagg aacaaaagtc ctgtaccaag gaataacagg    420

aacag                                                                425
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<210>    8186
<211>    456
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220091c11d1

<400>    8186

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ccgtcacatt acataaaaac ttttattcca tgcataataa aacacgcaat gattttgagg    120

gtttgaacag agtatttagt ttggtagaca aagtaactgt tcagaaaagt tcttcatcac    180
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3674

cctgaccatc ctcctctctg aggacccaca gagctcaacc tgtcaagtac tgagttgaaa   240

tcaacggcct gtccactctc ctccatcctc tggatcacac ttgcaacatg gtcacccctg   300

aatcccatgc tcaccagttt ctcaatcaac tcattgtagg gatggttgcg gacgaattgt   360

gactggttcg gatttcggac catgaggtta tgcccttgtg gngggttctg aagggaagca   420

cttgctgggg gatatccagg ttgagcaaaa tgagga   456

<210>   8187
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091c12a1

<400>   8187

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ggaaaaattg gggcccatct aattttgggg ggacaggggg gccctttttt tttaaaaaag   120

gtaatttagc cctttatttt ttaaaatggg ttaaagagga cccttgggcc ggggtaaagg   180

tacccctta aaaaaaatta aaatcggggg gggaaaggg gggtttcccc ccttaaccca   240

aaaaaaaaaa aaaatccgg tttttgaaaa aaaaccaccc aagggggaaaa aaacaaacca   300

ttggaagcta aaagggcccc ccaaaaaact ccggggggca a   341

<210>   8188
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091c12d1

<400>   8188

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cgtatccata tataactact cagcgtatat acagtcacca aaaggaaaca attgaacgga   120

gacaaacacc atcacataca gaaaataaat tatctcccaa atcaggtctc aggcactggg   180

tttacttcca ctcttataca tgttgtcaat ggcattctga tagtatttaa gcaactgtgg   240

cctcttcttc ttgtatgttg gagtgataag gtcacgttcc atgtcaaatg gaattgagtc   300

aaggtgaact gcttttataa actcaaaacc tttcaacttc ttttccttcg caatctttga   360

gagctcttca attatgtaac tttntgctcg agcatcttca cagagagaat tgaagtccat   420

ggatatacca   430

<210>   8189
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091d01a1

<400>   8189

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gtgcatctga ggaaattggt ccttttcaca ttaggcctga tggcaagtca ctttacttga   120

acccttatgc ttggaacaat ttggcaaatg tactgttcct tgattctcct gctggtgttg   180

gttttcata ttccaataag tcaacagatc tgtatacatt tggtgaccag aaaacagctg   240

aagatgcata tacttttctt gttaattggt ttgaaagatt cctcaatat aagcatagag   300

aattctacat tgctggagaa agttatgcag gtcactatgt ccccagttg ggtcaaattg   360

tttacgagaa aaataaggga atcaagaatc cagttataaa ttttaaggga tttatggttg   420

gtaatgctgt tactgatgat tatcatgatt atattggcac atttgaatat tggtggaccc   480

atggtttggt ttcagattcc acgtatagga tgctaagaat ngcctgcaat tntggttcct   540

ctcagcatcc atcagtgcaa tgcatg   566

<210>   8190
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d01d1

<400>   8190

gcataatatt gatcatttca tttttgggga ttgggcaagc aatttatgga tacaaaaggc   60

ggctcccatt aaatttaatg ttattaagct aacatgggga aaaaataaaa agagtatctc   120

gactccgttt tccaccagac tagaagagac acgcatctcg ataagtatca caaaagatta   180

cagaataaaa ggaacattct cttctcaact atatcctatt tgttgctgtt gctgaggtgg   240

ttggtaacca cgatacgccg aataaccgcc atacatgttg ggatcctgcc cagcaactgg   300

aacataccca ttaattttca taacccttgt gcagcatacc catagtattc accaccagaa   360

ccagcaccac cattccactg gttcggaaca gcctgagcct gtatgtttga aagac   415

<210>   8191
<211>   547
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d02a1

<400>   8191

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cctcaggggt ccaccaccta aagtgatgca ggtggataag tctgcatgga tgactgatga   120

agaatttgct agagaaacga ttgctggtgt aaacccaacg taattaaaga tttttgagga   180

gttcccacca cgtagcaagc tagatacaca agcctacggt gatcatacct gtataataac   240

aaaacaacat tttggaacct aacttgggtg ggctcactgt agagcaggct atccagagca   300

agaagctgct catcttagat caccatgact atctcattcc atatttgagg aaaataaatg   360

caactaccac aaagacttat gctaccagaa ccatattttt cttgaaaagt gaaggaactt   420

tgacgccatt ggccattgag ttaagtaagc cggatcctca aggtgaaaga aatgggtcct   480

gttagcgaag ctacgtgcc tttgagcgga agagtgaagc taatatttgg tattggaaaa   540

gcctatg   547

<210>   8192
<211>   427
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d02d1

<400>   8192

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acatggtaca gaaatccaaa agttgcatcg aaacaaccat gaaggaaaat aatgaagcta   180

ttcccagatt ccgacctcca tgaagccatt ttcagtggca cagcccctaa acatgccatt   240

gcaattgaaa ccataagcca cttccccagc gttggacaca gcaatgagac cagccatccc   300

ttcatcgaga cggtgcttga tcacaaaatc cacggcttct tgaagcttca agcctttgta   360

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cgtgcac   427

<210>   8193
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<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091d03a1

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aagaaagcgc tcgagaacta ccgggaaaaa cccnnaaacg gacccaaaca ataaaaaaca   180

atattacaca ctcattttca aagattatgg aacaagatag gatacagaag gatgggcgga   240

aacttggggg gtgcacaaag taaaatgaag caagaggata agtaaggaag gaggacggat   300

gaagaaaagg agaaaaaaat tggtggtgaa aaatccaaac gataaataaa aattcgtaga   360

ggaagttccc accacgtagc aagctagata cacaagccta cggggaacat acctggataa   420

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<210>   8194
<211>   73
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d03d1

<400>   8194

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aaaaagcaca ggg   73

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<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d04a1

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tattcaaatt agcttctgct atttcaagag tttgctgtgc ttcttgtgga tcaatgtcac   180

taccctttttc cgcatcattt actaaaacag tgatctcatt attgtttatt ctagcaaaac   240

cgcccatcag agccatcgtt aaccattggt ctttaagaag acgtattctc aaaataccta   300

tatctacggc tgtggcaata ggcgcatgat ttggtaatac tccaatttgt ccgctattag   360

tagataaaat gatttccttc acttccgaat cccaaacaat tcgattgggg gtcagtacac   420

aaagatttaa agtcatttct tcaaattgct ctccatttct aagttcgtag ctttcgcagt   480

agcttcatcg atattacct   499

<210>   8196
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d05a1

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ctacattgtt attctagaat atacaatgca tcttcacaga atatttgcaa gggctagatc   180

acttcaaagg agacctcgac aattctaaga tgcttcttca ataagacctt gaaaaaatta   240

acttcattcg atgagaagag gtagagcaaa atggattgga gatggattta gatttccaga   300

ttcattttgg agccaatctt gggtgcatat aaaagcctct cgcgtgtccg ggtttagtga   360

actacgagaa gaatctagca ctctgccccc agtgctaaat gccaattctg gcgccagagt   420

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<213>   Glycine max

3679

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220091d05d1

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tttggtccta ccaagtagct ccaatcattt cacaactgtt acaatattac aagaacagaa 180

atttcaaaca caaaattgaa gctacacata ttagtatgct ttctcaaaca caactgggag 240

cacattacca tccaaggcca acaaaatctt cccattctca cgcaaaccac caacaatgcc 300

acagtcaaac ctacaaaagg ggcatacatc tgtaggacac caacctatat aatatgaacc 360

tttgattggt gtctcagtaa ttctaaagta atcatccctg cctgatgcag caatgagcct 420

ccttccactc tcactatcct tctcagccaa attccaattt gtgccctgca cacatattga 480

ggcagctgag aagtcancct gaagtcccta ttccacttca caacatcatc ttc   533

<210>   8198
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091d06d1

<400>   8198

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tttggtccta ccaagtagct ccaatcattt cacaactgtt acaatattac aagaacagaa 180

atttcaaaca caaaattgaa gctacacata ttagtatgct ttctcaaaca caactgggag 240

cacattacca tccaaggcca acaaaatctt cccattctca cgcaaaccac caacaatgcc 300

acagtcaaac ctacaaaagg ggcatacatc tgtaggacac caacctatat aatatgaacc 360

tttgattggt gtctcagtaa ttctaaagta atcatccctg cctgatgcag caatgagcct 420

ccttccactc tcactatcct tctcagccaa attccaattt gtgccctgca cacatattga 480

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<210>   8199

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<211>        581
<212>        DNA
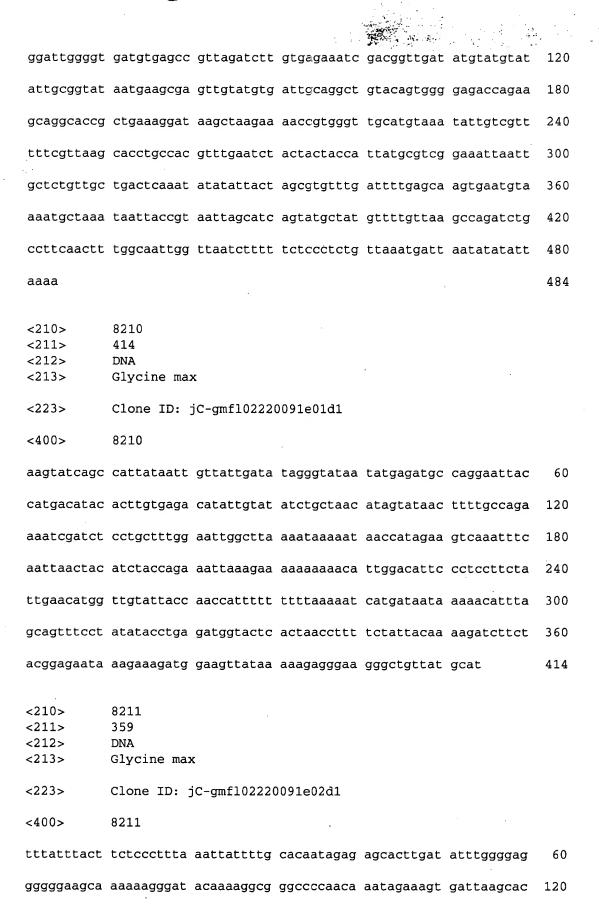<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220091d07d1

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atccagagag caagatggct gaagcattcg ccttagcaat cttgagtgtt tttggattta     180

gaaatggtat cagtctcctg taagcatgta cacatccatc catgttagat gaacaaagaa     240

cctggaaagg ataagccttc taaaaaattg ctattaatta tggcattact ggctgataca     300

atcaaggcgg tgcaccaagc gattcaacag atatttgac tcacggtgtc taccttttcc      360

gagtaaagat ttaaaaacac gaaggtaggc aaaacgggac tgcggacttc ccttactcca     420

tgccttcagg aattttacag catctactac ggacccaaac tttgaaatat actacacaaa     480

gggttcactg aatggagtaa atgtgtgtga aatcatcaaa caccaaaggg caagtgcctn     540

ctcaaatttc ccaatttccc ataggttatt catcagtttc a                        581


<210>        8200
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<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220091d08a1

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agtttacaat ttacatgatt aattaccaat gtgacttcta agacaacaaa gataactcct     120

ttctcaatca atcaacagta tttatttacc ttaccccatt caaatccaat taatcatgaa     180

ccaatcactc cactccatct tcaaaactcc caaataaagc ctaacctaag agaagaaaag     240

tgtaattacc cccatgaaac tatgggtcga agtttcgacc atatcaaaca attctcaact     300

caaggtttgg atatccagct cgagctttgt gtcgttcaaa tagatcttga agcgcttcaa     360

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<210> 8201
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091c08d1

<400> 8201

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agccttttaa ctgtacaggc ctagttgagc tggtacacct gtgccattga tccatgtccc  180

ttgcaagaaa gcctcaaccg tgtacctggt agcctcatcc ctattgatga ctttgcggcc  240

aggccaatta accctagcag tggtgctaga accagcccca ttgttgttgt actcaccata  300

gtaaagtgtg cttagggcaa agttcccttc ccaaggaaga aacccatcag ggtgaattag  360

gtcatcaatc tgagtctcca tgatgatggt tcttgaatac tccttccacg gccttccgag  420

gtagctcttg attgtgtctt tgaggggtac caagtcggtg tcggccttga tcacgcattt  480

ctgga                                                              485
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<210> 8202
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091d09a1

<400> 8202

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cctatgattg ctaggggagt gatgctgggt cctgaccagc ccgtgatcct ccacatgctt  180

gacattcctc cagcagcaga gtcgttgaat ggggttaaaa tggaattggt ggatgctgca  240

ttccctcttc ttaaaggtgt tgttgctaca accgatgtgg ttgaggcatg cactggggtc  300

aatattgcag tgatggttgg tggattccct agaaaagaac gtatggagag gaaggatgtg  360

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gccaactgca aggttcttgt tgttgctaac                                   450
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<210>   8203
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d09d1

<400>   8203

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acacaagttc tagcaaaaca ggtaaaacct gattccctca cttatagtta cattagcaga   120

tgcattaaag tcataaggac aagcaaatcc caaatattac cattattctt gggtgaacca   180

ttcaccccac cctatccttt tttcccaaca aaaaattaaa cggaggttgg atgaaacttc   240

cttgcacaaa catactagaa ttaactgtat acatggcctc agtgaggtga acaccatccc   300

aattgatgta ctgagaaggg cttgagcaca cagtggcatt aggtgtgcca catgtggcaa   360

acgcagtgca gttgtaaagc ggttcttgcg at                                 392
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<210>   8204
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d10a1

<400>   8204

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aataggtatt tgtacattga atcttcaatc tatgcatgac aatagaagta gccattttac   120

aagctttcac caacataaac actcccacct aaaaccattt aagcgttaca acttagttaa   180

aaaggtttgc caatgtttct ccaaggcttg caatcataga gttgttccaa cacttctcac   240

ttgggagtga aagcagcaaa aatagtagca tggccaggat ctgcaaggtg agcaaagagg   300

ttgtcaatag gaccagtgcc agtgtaaatg tgctggaacc atgcccccat cacagccaac   360

atggccaacc tcccattctt gatctccttt gttctcaact ccttgatctt ctcaggag     418
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<210>   8205
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d10d1

3683

<400>   8205

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atattttagg tgccacccag gcctatactg ctagcgtggc caaacttccg atcagaatta   120

ggaatgatct tgttccatct gatttagatg gaacccacct tggttattct tgtgtacctc   180

taccttgaac ttctcttcct tctgtcccct cttgactttg agaagcagat taaacttggc   240

aaagtcatca atgacctcag cctttgcatc agcaacctca tgaagctcat agggtactag   300

tgaattagac ctttgctgga tagtcttgat cgcatgattt gctgcatcct gaacttgagg   360

gtcatgtgtt ggcacagatt gccatccagg ttggtgacca tcctttttga caccaagatc   420

agcagaggta aatgatggta catcaccagc aggctcgaac tctaggagtt ctttgaattc   480

aaccatggct tcacccacac cttggcttca tagag   515

<210>   8206
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d11d1

<400>   8206

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tgaagtgcat tgaccaacca gatcatggaa caaattgctg caacttatag aaagactaac   180

caggaaatta cgaactctct aacagatgtt tgtaaatcta agagaccatg gcattggttt   240

catcttcatc agcttctcct gtttcattga acatgtactg actttggtac tccattaggt   300

actgtgttga tcttttgaca tccaaaaaca gattgtaaac ccgatttata tcatccaact   360

ccactgtctt ccccttttcgc ttttggcatg ccaatgcagc tgctgtgatt agatgaatag   420

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tgtctacgtc   490

<210>   8207
<211>   366
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d12a1

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aaggcaacag gggcccaaaa aaaaaaatcc cttttttttct tttttgggtt cccctcaaac   120

cgaccccag aaaagccttt atgggaaacc ccggggggtt ttttacaact aaacccaaca   180

ggggggggggg ggttttttggg gtttttgggc cgccctagtt actttccaca atccctagt   240

tcttgggggc caaccttaaa aaaacaattt ttccccatgc ccagcaggaa ggggggacctt   300

ttttttaatt aaccccccaaa actggtcccg ttaaacgggt aggggttacc accaaccttg   360

gaaaag   366

<210>   8208
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091d12d1

<400>   8208

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agagtagcag agtcggtttt ccacgagacg agaagagaca cgcaactcga taagtatcac   180

aaaagattac agaagaaaag gaacattctc ttctcaacta tatcctattt gttgctgatg   240

ctgaggtggt tggtaaccag gataccccgg ataactgcca tacatgttgg gatcctgtcc   300

agcagcagga gcatacccat aattttcata accttgtgca gcatacccat agtatccacc   360

accagaacca gcaccaccat tccactggtt tggatct   397

<210>   8209
<211>   484
<212>   DNA
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<223>   Clone ID: jC-gmfl02220091e01a1

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attgcggtat aatgaagcga gttgtatgtg attgcaggct gtacagtggg gagaccagaa   180

gcaggcaccg ctgaaaggat aagctaagaa aaccgtgggt tgcatgtaaa tattgtcgtt   240

tttcgttaag cacctgccac gtttgaatct actactacca ttatgcgtcg gaaattaatt   300

gctctgttgc tgactcaaat atatattact agcgtgtttg attttgagca agtgaatgta   360

aaatgctaaa taattaccgt aattagcatc agtatgctat gttttgttaa gccagatctg   420

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aaaa   484

<210>   8210
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aaatcgatct cctgctttgg aattggctta aaataaaaat aaccatagaa gtcaaatttc   180

aattaactac atctaccaga aattaaagaa aaaaaaaaca ttggacattc cctccttcta   240

ttgaacatgg ttgtattacc aaccattttt ttttaaaaat catgataata aaaacattta   300

gcagtttcct atatacctga gatggtactc actaaccttt tctattacaa aagatcttct   360

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<212>   DNA
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<223>   Clone ID: jC-gmf102220091e02d1

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acaaggggaa aaaagaaata gaattgcggg ggtccggaac cccacgaaaa cgagaagaga   180

cacccaacgt cgatgagaat gacaaaagat tacagaagaa aaggaacatt cccaactcaa   240

ctatatccaa ttagaagacg atgcagaggt gggaggtaac caggagacac cggataactg   300

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<210>   8212
<211>   414
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e03d1

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actccattga aatcacctct atgtaagtaa ttatgaacta tgaacatctt ggtaattcga   120

accagggtga actccaatca tccccaattt aggaggcaac aagtacaact tatttttctt   180

tcagggagtt ctcaatatct atcacaaacc ggtacttgac gtccctattg atgagcctct   240

caagagcttc attggcatac tcgattggaa ttacctctat atttgggtga atctcgtttg   300

cagcacagaa gtcaatcatc tcctgaatat cttttgtacc acctgtaaca cttccggcta   360

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<210>   8213
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e04a1

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gggttaattg aatccaaaaa aaaaagaaga gaaaaacaaa atgggcaggg tttggacttc   120

gatgatagca ttgttgcttt gcctgatgac atcatcggtt cggggcgagg acccttacat   180

ttactacaca tggaacgtga cctacggcac cattgcccca ttgggtgtcc cccaacaggg   240

tatcctcatc aatggtcagt ttcccggccc cgaaatcaac tccaccagca acaacaacgt   300

ggtcatcaat gtcttcaaca acctcgatga gcctctcttg ttcacatggc atggtgtcca   360

3687

acagaggaag aactcttggc aagatggcac attgggtgcc cagtgcccta tcgccccagg   420

caccaactac acctaccgct ttaggttaag gatcaaattg gaacttactt ctactacccg   480

accaccggct tgcaacgc   498

<210>   8214
<211>   70
<212>   DNA
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<223>   Clone ID: jC-gmfl02220091e04d1

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<211>   460
<212>   DNA
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<223>   Clone ID: jC-gmfl02220091e05d1

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ttaagttata tatatatttg gctaatccct acttgataat gaaagcttca ttatttgagt   180

caaactttga tgccttcatt ttgtttgagt ggaaacatag gttctgagag atggtgactg   240

agtgagaaca tcaggtgcaa tagtagtgtt ctgtgctcca ctcttctgct gcattctcct   300

cctagcaagg taccctctca cccaaggcgt aacatcctcg ttgactttga tcatgatgaa   360

gaaaatgatg cggtagatca caatcatgct gaagatcaca ctcaggttta tccactttga   420

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<210>   8216
<211>   555
<212>   DNA
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<223>   unsure at all n locations

<223>   Clone ID: jC-gmfl02220091e06a1

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acaagcttgg aggcattgac aagcgtgtta ttgagagatt tgagaaggaa gctgctgaga   180

tgaacaagag gtctttcaag tatgcctggg tgcttgataa gcttaaggct gagcgtgaaa   240

gaggaatcac aattgatatt gccttgtgga agtttgaaac caccaagtac tattgcacag   300

tcattgatgc ccctggacac agggatttca tcaagaacat gatcactggg acatcccaag   360

ctgactgtgc tgttcttatc attgattcca ctactggtgg ttttgaagct ggaatttcaa   420

aggatggaca gactcgtgaa catgctctgc tttcattcac ccttggtgtg aaacagatga   480

tttgttgctg taacaagatg gatgctacta caccanagta ctccaagggc cagtatgatg   540

aaatngtgaa ggaag   555

<210>   8217
<211>   289
<212>   DNA
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<223>   Clone ID: jC-gmfl02220091e06d1

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ggggtggtca aaagcccagc ccattaaacc agaatggtaa aaggggtttt ggccccgggt   180

gtcaaaaacc caattatggg aacaaaattt gggaaatgat ggggggggact ttaaactttg   240

gccgaaaaac aagctcccta aaaacgagga cccaagggcc agaaacccca   289

<210>   8218
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e07a1

<400>   8218

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tcctcggctt cttcggcatc gacttcgtcc agtccttcat ctcacgcgcc tccaacgacg   180

cctgggacct cgacgacgcc gttacagatt ctccctcttc ctctccctct ccctctccct   240

cgcccgcaat taccaaaatg ccctcacggg atgcctcgat tatattatcc tccgaggatg   300

acgaggagat tgtaaactcc gtcgtggaag gcgtcacgcc ctcctacgcg ctcgagtccc   360

gcctgggcga ctgtcgccgc gccgcgggga ttcgacgcgc ggcgctgcag cgcctgacgg   420

ggcagtcgct tgagggcctg ccgctgaggg gttcgact                          458
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<210>   8219
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e07d1

<400>   8219

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acccttaaac agaaatacat tcattaatta gataaagact tgagacaatg ggatctcaag    60

cttaattgac gggcactagc ggacaagaga atattcatca acccattcgg ctacaatgat   120

agatctgcta agcatattat ataggggaa aagaattaga atataacacg tcaaatgtct    180

tggttgagga gaaaaaaagt gttaacaccc actgaatggc tcggcagaag aagcaatgaa   240

aagaagaaat gatccagaag gggacaggga agatctagag tataactcta ctttcctctc   300

tgcaaataat aaaagatcta aacagacagc aatgcatagc caaacgtgga tgccaacaat   360

ctaatctaat gtttctccat tttccttgcc taaatccgct taccctcaat ggatttattg   420

tagagtccag aattaatgac tgcaaccacg ttcctgacct caagatgatg atattctggc   480

tacatc                                                             486
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<210>   8220
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e08a1

<400>   8220
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ggcgccaaac tattatctca aaatgatatc atttagttgc aaagttttat taaacaataa    60

gagtttattt tgggacatat ttgctactgg gaagattttg ataatttggt acaagcaaag   120

ggcgaaggtt tcaaatcatt aacctgggca aaatctgtca tttcaaaagc ttattttttca  180

agaaatatag ctcacttcaa cccaaagaga tattttgcca aagagattgc tgattcccctt  240

tccaggatca ctttgtttta caatagactc tccaaccaat atagctttaa caccagcttc   300

ctgaacatag gcaatatcgt ccggggtaaa gagaccagat tccccaacca taattatgcc   360

tctctcgggg attattttgc ctcgctctcc ttca                               394
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<210>   8221
<211>   178
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e08d1

<400>   8221

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aaacagggat ttttatcttt ttattattgg tataggtaaa aaccactgca cgataccaca    60

aataatggca aagaaataac ctgtacccct actatgggca taaattaatt cctcctgaat   120

ttattcagct aggcttttct gagtagacca gaacattgaa ccagttgaaa atcagtat     178
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<210>   8222
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e09a1

<400>   8222

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ctttatctga atgggatcaa ataggcacca taactcacgt tcccacaatc tacttctacc    60

gtcccacctc acaagacaaa gacaacgtta acaccgttgc ttccaccttg aaagacgcat   120

taagcagagc cctagtgccg ttttatccac tagctggtcg tttacattgg ataaacaagg   180

gtcgtttaga gcttgattgc aacgccatgg gggttcattt cattgaagct gaatcctcac   240

taaccctaga aaatctcggt gacttttcac cctcttcaga atacaacaac cttgtcccca   300

acgtagacta caccctccca attcacgagc tacccgtggt tctcattcaa ctaactaact   360

tcaagtgtgg tggttttagc attagcttaa atacttcaca tgctgttgcg gatggaccaa   420
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3691

gtgcattgca cttcttgtgt gagtgggcaa gg   452

<210>   8223
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e09d1

<400>   8223

acccataaaa aggggcact aacacataaa attataggac tgatccaaaa ttcaatatgc   60

ggcccatggt ctaattccat gactaaaact gtaaagctca aatatactat cctcctaaaa   120

ggattagatg ttgaaatcca agttattcca atgaaagaca aacttttcg agtgatagtc   180

ccttggtatc ttaaaaggag cattattcaa aattgaagct acacttctgc gggcaaacca   240

tgggaaccta ctaacaagga cagtatccaa gaaggagcaa tggattctaa tttaggcatg   300

agtaagccaa tgccttgtac tgaaaaagct tttctgcggt caagtccaac ttattccttg   360

agaactcatc aatgggaagt ccttgaacta ttgtgcattc cccattggca caagtgacat   420

ggaatgaat   429

<210>   8224
<211>   427
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e10a1

<400>   8224

aacagaaatg cagatacatt cattttgtaa taatttatat acaatattga tattgtttgc   60

atcaaccaaa aacaacaaac cggtacatga tgcaaggcat gaaaaaccgg tatacattca   120

aaatatagaa agcaaaaaaa caaaaaactg ctaactagag aagtaaaatg ccgaggccag   180

tagttttggc ctttttcttc cttcaaagca aatcgtgtta tgcttcggta ttaccaaaac   240

atatcactgg aaaatttcct aggatgtcat aaacctctat agaaatcaac aacctcatat   300

aatgatattt taggcatata aagttcgcat tgaaaataga ggcactagag tagcagtatc   360

ttttgatagc aatcaccaag gaaccatct ccaaacagtt gtcatggatt ttcatgttgt   420

ataaggg   427

3692

<210>   8225
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220091e10d1

<400>   8225

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ggcaatgcaa tacttcaaga attgtggaag aaaaatcccc ttcttttat acattaatcg   120

tttccttcat tgtctcaaat cttcaaatcc attaacttga catcacatca ataactcctt   180

tgtgagatat tcatcgagct gagagcatag aaatggaagc agtagcatta gatgtggagg   240

aaccagttga ggtagaggtt tctgcccgag tccttaagtt agtttctaca aaaacaggca   300

tagaaggcct tatttgcccc agtgagttct tgcttttgag aaaagctact atttcagaca   360

ttgttggcct tgcagcagct gatgcttgag tgcaaagcaa agcaatctct atgattttct   420

tcacttcttc tgcatcatag tcttcagggt ccaacaatgt cttgtcaacc aactccaaat   480

gcatatcttg cacgtatagt ttccatgccc tttgaangan gaattcacca tcagtatctg   540

gcctcaattc act   553

<210>   8226
<211>   380
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e11a1

<400>   8226

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caaaatgccc cacctggggg tggggaaagc ataacggcat tcgccctagc ccaagtacaa   120

ccgtcaccga aacccaactt ccgaagaacc taaacggcaa gccctaaccc caaggccggg   180

cgccgccttt ggggctgccc ggggaagccc ccacccaagg gatggggggcc gacaccgctg   240

gagctaccac agctccgacc aaaggcccaa aagggtagct ggaaccgccc cccgaggccc   300

aagcggtgga cccggcgcaa actccccaac gttcaaaaaa gaaccatgct tgcttgggaa   360

ttggaccggt gacaaaggaa   380

<210>   8227
<211>   470
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e11d1

<400>   8227

caaagcagtg tgtgtaggcc tactttatat atgcaacatc aacaaactaa gctaagaaac   60

tgcccttttt tccttctctc tttatctccc aaaaaaaaaa accaattaaa gaatatctta   120

gggtacttaa aatacaattc agcacatatt tctgcattag tctcttttta tgtttcaatg   180

cttaatgaca taagcattgc tttcttcgtc ccatatttct ccatttggca accactttgt   240

gtgctttcaa atatagaacc ctgctccccc tccgtgtcac aaggcaagaa ttgcagggca   300

acaatatgca tcattgccaa tagtatatct ctgcttaaac ttcagcaaga gatactacat   360

tttggcttca ccttctcttt gctaactgga atgccctctt caagaaatga tttgcagctc   420

tgtcatttct actgcacagc accctcagta ttgcgtttgg atctgaccta   470

<210>   8228
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e12a1

<400>   8228

cttacccaaa accataaagt ttgcattaaa ttttggggaa acatgatatc catctcaaga   60

catattaatg aacacatgta atagccttaa atgatacaaa ctaacagaaa tcttaaatat   120

aaatgttttt agagtgaatc aacacacaaa attaaactaa ttaagattac ttaataatct   180

atcttgctca tcatggtcta ggcttcattc ttccttcatt ggccatcttg aagagctggg   240

cttgagcttc tgcggccttg ttggagttga gtgaaggcca caaacctgtc cctgacttgg   300

ttggtagtgt aagggaactt gttgttcacc atggagttga ggaaggaagc tgtgccttct   360

ttgtagagtg ctcctagccc atcaattctt gtgttggaaa gggcttgtgg taagctcagg   420

ccaggactg   429

<210>   8229
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091e12d1

<400>   8229

aaaataatag cagtttcata ttgtcttccc tacaaacaac aggttacata aaaacggaaa   60

caaacagaac cagttttata gaacagtaat ggaaactaga tctagccgga acagaaccat   120

cccctcaaaa gagacaatca accggcaaca ggaagttgcg gcatgttata catcttcaag   180

ccaccgcaat acattaccaa gttcaaaatc acatatcatg ttggccatac tcctcctcct   240

actcttcctc ctcatactca tcctcatcag cagtggcatc ctggtactgt tgatactctg   300

acacaagatc gttcatgttg ctctcagcct cagtgaactc catctcgtcc atgccttccc   360

cggtatacca atgcaagaag gccttcctcc tgaacatagc agtgaattgc tcactcactc   420

tacggaacat ctcctgaatg gaagtagagt tgccaatgaa tgttg   465

<210>   8230
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f01a1

<400>   8230

gaacattcaa ttgcatgctt gcttgtacaa agcgccagtt agttcaaagg agggaggctt   60

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ccaagttgga gtttatggaa agccagcccc ttaagatttt actgctgatt atgaacactg   180

gaaacgtgta gtatccaagt cttatctaga cgggatggga attaaatggt caaatggacg   240

caatgtcatg gatatgagat ctatctatgg aggatttgct gcagctttga gagatttgaa   300

tgtttgggtc atgaatgtgg ttacaataga atccccaaat actcttccta ttatttatga   360

acgaggtctc tttggaatat atcatgattg gtgtgaataa ttaaagacct attctaggac   420

ctatgatcta ctcatggtga acatttgttt taaaagttaa gaaaaggtgc aatttt   476

<210>   8231
<211>   405

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220091f01d1

<400> 8231

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aaaagtactc cgcaatataa acagagttta ccaaaaaaca ctcgatctac agctagtaac   120

taaatccttc attttatgat acggataaac cgcagaaaga aagaaataaa ggggaaaaca   180

taaccctgca ttagttggcg gcacgttgag ttgagcatgc attatttgac tatgcagatc   240

tttttgacag aggcagctcc aatacgatgc agggcaacaa ctgcattacc aggctttcaa   300

agggcccttt ctgttgcgga cttaagagca gcttcgagaa tgacctctgt ggatttttga   360

tcgggagcct ttgcagatcc ctcgcccagt ataggaataa agccc   405

<210>   8232
<211>   136
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091f02a1

<400>   8232

atcggtgatc tgcagtactg gatggtctag aactatttct atacctgctc tgctcacacc   60

ggcggggtaa cttgggttaa agttattcaa aacaagcaaa ctactcaatc tgaaggtgat   120

gggttcattg agttta   136

<210>   8233
<211>   449
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091f02d1

<400>   8233

gtgagaaaac agctagccaa gatcaaatgt cctctacttg tgatattcag ggaggtagag   60

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tatcagacca tgttgatgct gttagcattc tccagggata tcccttttcaa gttcctttga   180

agaaagaaat gaatggcgat atgaattgca gcagttcagc aactgaattg cctttttctgc   240

3696

cccataagat tgaacaggat gatgatcata tcaaaacatt ccagtcgtca gattcagata   300

aaacatccag aaatggtgat gtgaaactgt ttgggaagat actaaccaat ccttcaacca   360

cacagaaacc taatgtgggt gctaaaggga gtgaagaaaa tggcacccat catcctaagt   420

taagcagcaa gtcttctaat ctgaaattt   449

<210>   8234
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f03d1

<400>   8234

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ttggggattg ggtaattgca cccaccatat ccagtgctac gcagggctgg tcagtaggta   180

caaaatgacc cgctccaagg atccaataaa attggggggtt tttgtatgac ttaaaaaacc   240

ctttggtcgt tttggcactt ccacaggaga gggggggttct gtttttctcc aagaaatttt   300

gaagccctgt ccactcgagt tttttaagcc aagctttagt cccccttggtt gcacaaatga   360

gatccacttg cccactgtac acaggcacgt tgac   394

<210>   8235
<211>   319
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f04a1

<400>   8235

tttattttttt tttttttttt ttttcttttt attattttttt ttttacattt ttttttttta   60

ttggggggtat tttggggttc ttcccccccc caaagaacgg gaaaatttct ttatttaata   120

tttacccccca caatccgctt ttttttgtta agagagggta aacaccctta aacttttggc   180

ttgggcacaa ccggaaacac ggggaaggga ataaaaaaaa ccttggacac ccccctggccc   240

gtttgtggcc cccaccaacg gggcccccccc cttttttccca tctaaagggt aaaaagggag   300

ggggcccccat ctccctctt   319

<210> 8236
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220091f04d1

<400> 8236

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ggccgccctt tttttttttt tttttttttt ttttttttttt tttcccactt tttggtttgt   120

aacctatatc attagccggg ggatacctttt ttgaaataaa atgccatttt atttttcccc   180

aatccgggcg gttatcctca gcccctgaga aggggtaatc cccccaccct tccagggata   240

cacaaggttg gcccttttgcc caaacgaccc cctacaatga tccattagaa ttggggcttt   300

tttttactta aaaaacccct tggttggtgt gcccttacac agtagagggg ggcccagaat   360

ttctccaaaa aattttaa   378

<210> 8237
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091f05d1

<400> 8237

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aaataatcgt cagtgtaaaa caaattcata taccaacatg catgttgtaa aggtggcacc   180

agttaaagaa ttgtgacacc tgtgaagagg tattgatgtg tgtatacttg catattccca   240

tctcccatgg atttggacat ttggtcgagt gtatacttgt taaaaatgat gccaaaattc   300

accttacagg gatatacaaa gttgtaaagg tgaattcatg ctatttgata tataacttca   360

ctggcttcag agcaatggtg tcaattcata acccaattta cagtccacaa agctagcata   420

ataagctctc aactgtcagg aacctgtctg cgatggaaga agaggtggct gtgtaccttt   480

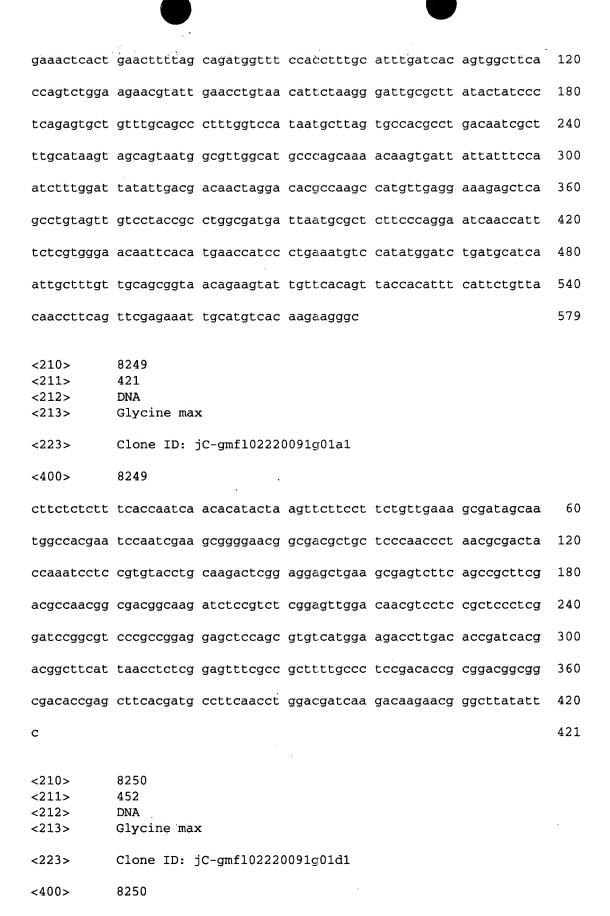gaaaaggtgg caagctctgt tggtgcgaca accaatctta accact   526

<210>   8238
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f06d1

<400>   8238

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ggggaacctt caaaaaaggg cacccataat aatgaataaa tatacctgat ttacaaattc   120

ccaaagattt ttccttaatt tgctccagat ttcatttacc tcgggaggac cttaatgaca   180

gactcatacc aattgtaaga ctttacgaac ctaacaagac agttgctcat tttccccctg   240

ccaaggtttc ttttattgaa caaaagggat aaccgctaaa atgtaaaaaa aatcctgccc   300

atctgaaatt ttccataaga cccatctcaa aaacacgatg ggctcagacc tcttatttcc   360

cccaaagtac catttcaact tgattgagtt ttaagcctgt accctctttt ctttgctctc   420

tgcttaggac ccttttactt aaatatattt ttaggcaaaa atgggttt   468

<210>   8239
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f07a1

<400>   8239

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aacaaaaagg ttttctgtcg gtccaatatt gacaacttgg tgggaagtaa cgaattttcc   120

ttggactatg acttcttggt tgtagcagta ggagcacaag taaacacttt taacaccect   180

ggtgtcaagg agaactgtca ttttctgaag gatgttgagg atgctcagaa gattagactg   240

tctgtgattg attgctttga gaaggctgtt cttcctagtc tatctgatga tgagcgaagg   300

tcaaatcttc attttgtagt tgttggagga ggtccaactg gtgtggaatt tgcagccgag   360

ctgcatgatt atgtccaaga agatctaatc aaactatatc caactgttaa agataaagtg   420

aaaataacat tgattcaatc tggagatcat atcttgaaca tgtttgatga agaataagt   480

tcatttgcgg agcaaaagtt tacaagagat   510

<210>   8240
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f07d1

<400>   8240

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gcacccccct acccccgagc tcgaagcccc gggaatttat taaagagcgc ccctgcaaac   180

gggccccaaa tgcctattcc agaaacctat ttcagctagc cttgggccca aaattagccg   240

gaaacaaacc gggggtgaaa tcaaatcaca tttgaacccc cgccacaatc caaaatcttt   300

ggccgaaaag cctgggccgc ataccggggg agccaactca catggatggc ggggaactca   360

ctagccccaa gccattgggg acacctgccc tgggaacccc attactgaag aagccttcgc   420

g   421

<210>   8241
<211>   426
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f08a1

<400>   8241

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acataaaaat tatttgttca gaacttggag agtagaccaa attgagtttc gggatataca   120

cgagacgaga ttatattata acaattcttc tcaccttagc agtcgatgtc gtgcacactt   180

gttttccaaa gacctccaag aaagacaaat ttctttggct agagatcaga cttgaacaaa   240

tgttcgtgtt cttctttttag ctctctctcc aatcgtgtat ttccatagcg agatttctgg   300

tctatccaac caataatatc ggagaataca atctgcaaat tttgtggtgg ctctccatac   360

aatagaccgt gccacatttc tggatacgac tttagtgtct tatctgagct tgccgcctca   420

tcatat   426

<210>   8242

<210> 8242
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091f08d1

<400> 8242

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ccagaattag  accgagaaat  tcagggtcca  aaaaaatcaa  atccatgcca  aacttgtaac   180

aacccgacct  ttacagggtc  ttaggcagtt  tttgccaagg  acaattaatg  tgactaccag   240

gtaaacacct  attattgcct  aataacctat  aggcttcaac  aaatagaaaa  cttagtgaca   300

aaacaccatt  cgcagccacc  aacaatgcat  gttctcaatc  acagaacgcg  ccaagtgatg   360

accgctcacc  acgaatcctt  tttgccagct  gaatatcctt  gggcataata  gtcacacgct   420

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actgttgcaa  tgcaag                                                      496
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<210> 8243
<211> 418
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220091f09a1

<400> 8243

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gaaaaaatga  tgcactgcag  gtttccactg  ctccatccca  caagacatct  gggtaaaaag    60

aaaagaacta  cattttatct  ttttatccta  ggggcagata  ttgaacatcc  tttagtattt   120

gttgtaggag  agctacaatc  acattttctt  cttcatttgc  aagccaaaca  caatatgaag   180

cattgactgc  accttctctt  tttataagaa  gatacagaaa  aaggggggaaa  gaatattagg   240

gttggaagaa  ggtggaaaaa  ttgaacaaaa  aaagagatgc  tgctcatcat  ccagaaacaa   300

aataaggttc  tgcctaccca  ggaattttga  aacagccact  tctggatctt  ttttctaaaa   360

gctcctgcta  aagattttga  agggcacttt  gtagtgtgag  ttaatgtagc  ctccaact    418
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<210> 8244
<211> 331
<212> DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f10a1

<400>   8244

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gggggaaaag ggaaccggcc aaaaaaaagc cccacggtaa aaggggattt ccacgggggc   120

aaaattggga ggggcccata aaaaaaacaa atttatttgg ggggccccaa accccagggg   180

ggactagaat ttgggcagaa aaaaaccccc ctttggggga gaaaatttcc ccgggggaaaa   240

ttgccccagg gggggggggta ttggccttca aaacaaaaaa ctaccgcggg atctttgggg   300

ggaaaaaaaa gagatttggg aacccccttgg g   331

<210>   8245
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f10d1

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aataataacc cttagaaaac actacggctt tgtaaatcat aaaccctaag ctctctcgcc   180

cctaatccta cgagctagct gaatgtcctt gggcataatg gtaaccctct tagcatgaat   240

agcgcagagg ttggtatcct caaagagccc aacgaggtag gcctcagcgg cttcctgaag   300

agcggagaca gcgctgctct ggaagcgtaa atcggtcttg aagtcttgag cgatttccct   360

tacgagcctc tggaaaggaa gcttccttat gagaagctcc gtgctcttct ggtacttccg   420

aatctccctc agagccactg tccccggcct gaaacggtgg ggct   464

<210>   8246
<211>   414
<212>   DNA
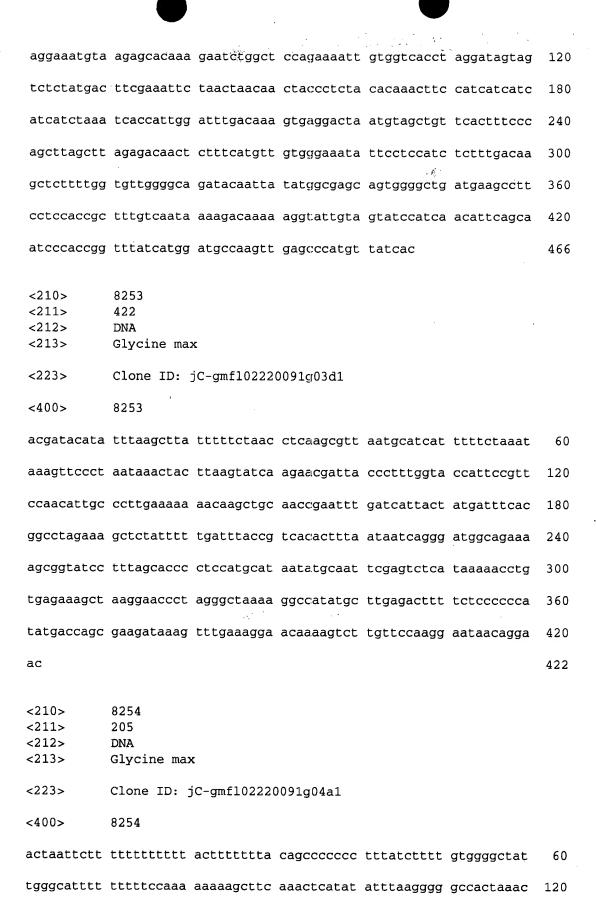<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f11a1

<400>   8246

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aaccagattc aattgaccta caggttctgc tctacatgat atgataaacc caaaatgtcc 180

caaggtctag cttggctaac aaaataatgt acatgtcaat gtcacagctc taatttattt 240

attttcgcca ggcgattgat ctaaatatgg tacaacaagc tgatgcactt agacatgctt 300

aatcattact gtcactgcca ctgctggtgt ccagaaagct atactctctc catctgctga 360

gtttaatcaa cacagttccc cggctctctt gcctacattc aatggcttct ctat 414

<210>   8247
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f11d1

<400>   8247

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gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac 120

tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg 180

tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240

aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300

gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360

gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata 420

acttgtgtgg cccagatggc gaggatgctc tgggcgtgga tcaggcttgg gttgcccaag 480

tagtcgagcc caccctcgct gaagatctgg gacccggcct tg 522

<210>   8248
<211>   579
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091f12d1

<400>   8248

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3703

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ccagtctgga agaacgtatt gaacctgtaa cattctaagg gattgcgctt atactatccc   180

tcagagtgct gtttgcagcc ctttggtcca taatgcttag tgccacgcct gacaatcgct   240

ttgcataagt agcagtaatg gcgttggcat gcccagcaaa acaagtgatt attatttcca   300

atctttggat tatattgacg acaactagga cacgccaagc catgttgagg aaagagctca   360

gcctgtagtt gtcctaccgc ctggcgatga ttaatgcgct cttcccagga atcaaccatt   420

tctcgtggga acaattcaca tgaaccatcc ctgaaatgtc catatggatc tgatgcatca   480

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caaccttcag ttcgagaaat tgcatgtcac aagaagggc   579

<210>   8249
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091g01a1

<400>   8249

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tggccacgaa tccaatcgaa gcggggaacg gcgacgctgc tcccaaccct aacgcgacta   120

ccaaatcctc cgtgtacctg caagactcgg aggagctgaa gcgagtcttc agccgcttcg   180

acgccaacgg cgacggcaag atctccgtct cggagttgga caacgtcctc cgctccctcg   240

gatccggcgt cccgccggag gagctccagc gtgtcatgga agaccttgac accgatcacg   300

acggcttcat taacctctcg gagtttcgcc gcttttgccc tccgacaccg cggacggcgg   360

cgacaccgag cttcacgatg ccttcaacct ggacgatcaa gacaagaacg ggcttatatt   420

c   421

<210>   8250
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220091g01d1

<400>   8250

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aaagacccag ttcgcgttct cgtcactgga gccgcagggc aaattggata tgctcttgtc    120

cctatgattg ctaggggagt gatgctgggt cctgaccagc ccgtgatcct ccacatgctt    180

gacattcctc cagcagcaga gtcgttgaat ggggttaaaa tggaattggt ggatgctgca    240

ttccctcttc ttaaaggtgt tgttgctaca accgatgtgg ttgaggcatg cactggggtc    300

aatattgcag tgatggttgg tggattccct agaaaagaag gtatggagag gaaggatgtg    360

atgactaaga acgtctccat ttacaagtcc caggcttctg cccttgaaaa gcatgctgct    420

gccaactgca aggttcttgt tgttgctaac cc                                   452


<210>      8251
<211>      438
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g02d1

<400>      8251

ctcgagccga atcggctcga gcgcactcgt tctcgtcgtg gaataacgac atgaagtcaa     60

gcaatgtggt gatgtcgccg acaagtaagg tgaagcaggc tctagggctg aagatgttga    120

agaggtcacc atcaaggaga atggtgtcgg gtggcagcgg tggaccgtcg tcgccggtcg    180

gcggaagtag tccttttcat cagtccgggt caccgttgag gccacgacgg ccgatgactt    240

ctgcagagat catgagacag cagatgagag tgactgagca cagcgataac cttctgagga    300

aaaccatcat gaggaccctc gttggccaag caggaagaag agcagaaact atcattctcc    360

ccttagaact tctaaggcat gtaaaacctt cagaattcag cgattccaat gagtaccaca    420

tgtggcaaaa gaggcagc                                                   438


<210>      8252
<211>      466
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g03a1

<400>      8252

caggttgaac aaagtagtta gccttcatag ctagattgca atcaaatgtt tacactaaca     60
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aggaaatgta agagcacaaa gaatctggct ccagaaaatt gtggtcacct aggatagtag    120

tctctatgac ttcgaaattc taactaacaa ctaccctcta cacaaacttc catcatcatc    180

atcatctaaa tcaccattgg atttgacaaa gtgaggacta atgtagctgt tcactttccc    240

agcttagctt agagacaact ctttcatgtt gtgggaaata ttcctccatc tctttgacaa    300

gctcttttgg tgttggggca gatacaatta tatggcgagc agtggggctg atgaagcctt    360

cctccaccgc tttgtcaata aaagacaaaa aggtattgta gtatccatca acattcagca    420

atcccaccgg tttatcatgg atgccaagtt gagcccatgt tatcac                   466


<210>      8253
<211>      422
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g03d1

<400>      8253

acgatacata tttaagctta tttttctaac ctcaagcgtt aatgcatcat ttttctaaat     60

aaagttccct aataaactac ttaagtatca agaacgatta ccctttggta ccattccgtt    120

ccaacattgc ccttgaaaaa aacaagctgc aaccgaattt gatcattact atgatttcac    180

ggcctagaaa gctctatttt tgatttaccg tcacacttta ataatcaggg atggcagaaa    240

agcggtatcc tttagcaccc ctccatgcat aatatgcaat tcgagtctca taaaaacctg    300

tgagaaagct aaggaaccct agggctaaaa ggccatatgc ttgagacttt ctcccccca     360

tatgaccagc gaagataaag tttgaaagga acaaagtct tgttccaagg ataacagga     420

ac                                                                    422


<210>      8254
<211>      205
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g04a1

<400>      8254

actaattctt tttttttttt acttttttta cagccccccc tttatctttt gtggggctat     60

tgggcatttt ttttccaaa aaaaagcttc aaactcatat atttaagggg gccactaaac    120
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ccaatacaaa catgtccctg ttaaaaaccc cgaatctccc cccccaata cttttttata 180

atcccccaaa ttaacccctta ccccct   205

<210>   8255
<211>   573
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g05d1

<400>   8255

atataacagc tgtctggtct ctgcattaca tcaacgataa tggcttacac gttccaaatc   60

acaactcaga tctctataca gcagctttca accctaaacc gcattatcta tttaattatc 120

tataaggtcc aaacaagaaa tatgaacatg gaaggtttta tggaaaaagc actgttatga 180

gtcttcaaaa tgatgatccg tctcatcaaa gatctcctcc tgcaaaagct cttcaatgac 240

atcttccatg gtaataattc aacagcttc ttcttcttca gggagctttg gaagtggact 300

tccatctatc tctaaaatat ccgagtacat atttttgac cattttctgc tccgagaacc 360

cctatttgat gactcgtttg tatttggaaa gcttttccac ttgtggagtg gcatcttggg 420

tttcaaagct ttctctttgg gaggcttttc accatcaata tccaccttaa catctctcac 480

cgagtcattt gcattatttt gggcagactg ctgctagtct tgtcacaccg tctgacaaca 540

acagccatgt gactatggcc cttctgaaac tca   573

<210>   8256
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g06d1

<400>   8256

atgtagcaat tggtaagcat caattgagta atttcttatg cagtgtttgt tacaaaaacc   60

acataacaag gtgttttctg ttgaaggatg cagcatctag actagttccc cctggcaaca 120

attcctaggc tgacctgctc cacttctggc cttactgtta tctgaaacca gtaaagcgat 180

tggtataaca ctcaattcct ggattccagt aaacaacaca aaaacatgct actctacact 240

aattcctcgg caagagtaac tccacatact gcatccaaaa tccaatgatt tacaatctga 300

```
gcccccgatg gcgtggcctt caatagtatg atgtggccat cgagttttaa aggataaata   360

ttttcatcat aatcacagca gtgcctccac atgagtaaac caagaaccat gatctcctct   420

accatcaagt attatctacc aactcgcgtg ataatatatc gtcctttttc tagatcgtat   480

attgtcttca actgaggttt cctccaccta gatatagacc atg                      523
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<210>      8257
<211>      523
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g07a1

<400>      8257
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caagatcgcc cctataccag tgatcaagga aattttcga actgatggcg aacagttcct     60

caagtatcca ccacctaaag tgatgcaggt ggataagtct gcatggatga ctgatgaaga   120

atttgctaga gaaacgattg ctggtgtaaa tccaaacgtc attaagattc ttgaggagtt   180

cccaccacgt agcaagctag atacacaagc ctacggtgat catacctgta taataacaaa   240

acaacatttg gaacctaact tgggtgggct cactgttgag caggctatcc agagcaagaa   300

gctgttcatc ttagatcacc atgactatct cattccatat ttgaggaaaa taaatgcaac   360

taccacaaag acttatgcta ccagaaccat atttttcttg aaaagtgatg gaactttgac   420

gccattggcc attgagttaa gtaagccgca tcctcaaggt gaagaatatg gtcctgttag   480

cgaagtctac gtgccttcga gcgaaggagt tgaagcttat att                      523
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<210>      8258
<211>      570
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g07d1

<400>      8258
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ttgatttttt ttttgatga aacatgcgtg atagccttaa ttgcttactc ttcgatctgt     60

tataaaaaca gaatacagta aacacgagaa cattcaacca ccccaaatgt aacttgacca   120

tacgtaggta gacgaaggaa tcatatgcct cctatttcac agtattgaaa aacaggcaga   180

gtagtacagc aacctcaatg agagagccct tagatagaga tactgctggg aattcctctg   240
```

3708

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aaagtcaatc ggttctcact agaaggatag agcacagtgt aaggcattgt agctggccca    300

gtgcggtttc tgaacggctc atccttgttc ttctgtataa gcttatgttc aatctcttga    360

agcttctttg caaacctgtt gaaggcctct agtggaccag catcagaagt gcagaagtca    420

ccaccatgtc tctcgccaag gtagaactca tcagatgcgt gccttgacag gatttctata    480

attgtaaggt caatgagggt ctccttcttg ccagtaatag gtttcaaaaa ctgcttctca    540

gggttcttta gccaagcagc atactcagca                                     570
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<210>      8259
<211>      367
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g08a1

<400>      8259
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aaaaaaaaaa aacaccccccc cggggggctt aaaaaaatta tcccccccccg gctaaaaga    60

ggggttaccg gggggggaaa attctacccc ccggatgata aagggccaaa ttctgggggc    120

aggcatttat gcctcgggga cccttttttat gggttcaggg accgctttta tgccttcccg    180

acaaggggggg ggccttcacc tttaaaaacc ttgggccaaa aaaaaagggc cccccccca    240

aaagaggggg gggggtccct atggggggggt caataagatt aacaaaaaag ctaaggggggc    300

cttggcgggc cttagaaaaa aaaaaacctg tttaaaactt gcttttggaa ccccgggggt    360

ggcattt                                                              367
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<210>      8260
<211>      416
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g08d1

<400>      8260
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tttatttttt tttttttttt atttttttat ttatattttt atatatatat atatgtgggt    60

ggttttttct gttgctgttt aagacttaaa gtaagtatat atataattaa cagggacaat    120

atattgtaca tgcgaatcga atgaaagctc gcagaagggg cgaagtacag gtagcgtaga    180

gtgaagtcct aaggaaaaca caggggggaca tgacacacct tatacggaga ggagaacgaa    240
```

```
gaagaatata aggtctaaca gcaccaccｃc aagtccagaa aggaccgcac catggagctc   300

ctttgtacac aggtagaggt ctgccttcaa gggctgacgg aacaagaggc ccaacaatta   360

tagccacact tgaggcagaa gagaagcaag aggtcaagaa gcctcagaac gatcag       416
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<210>   8261
<211>   414
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g09a1

<400>   8261

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actaatacaa atacaaatac aacatattcc tttgaactca tcatacatga tgtgcagagg   60

acacaagttc tagcaaaaca ggtaaaacct gattccctca cttatagtta cattagcaga   120

tgcattaaag tcataaggac aagcaaatcc caaatattag tattattctt gggtgaacca   180

ttcaccccac cctctccttt tttcccaaca aaaaattaaa cggaggttgg gtgaaatttc   240

cttgcaaaaa catactagaa ataactttat acatggcctc agtgaggtga acaccatccc   300

aattgatgta ctgagaaggg cttgagcaca cagtggcatt aggtgtgcca catgtggcaa   360

acacagtgaa gttgtaaggt ggttctcccg atccacagca aacgttgaag gtct         414
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<210>   8262
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g09d1

<400>   8262

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aagtaaaagc atggatttat atatattttt ttccacgttg agtacaagag attaaattac   60

ctaaaagaaa atatcacaca ctgaaagaaa ggaaagtgct tgaaaatact aaagggtatt   120

taccaatggc tcttgtcttg aaaagaacct ttaatctaca aataggatc aaagaacagg    180

ttgcaataaa agcacaagca attgccatta ttgacaatat ttttattatt cttataattt   240

gctcttcatt ttgaactcat catgaagaag aaattaaatt gactcaaata gcggggttgc   300

tcctgaatga tccaagagcc ttagcagcac ctgctctcaa gatgaattgg tggtagaagg   360

ctgcaatggc tgctccaata aatggtccaa cccaaaagat ccaatggtca tcccaggcct   420
```
```
3710
```

```
tctgctggtt gtacatgaca gcagctccta gactcctagc agggttaatg ccagtgcctg    480

ttact                                                                485


<210>      8263
<211>      426
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g10a1

<400>      8263

aaaaaaatat aattaatgac agattaacat atgttatttg atagagtaca attggccatc    60

aagtcacatg gttgaaagaa tagccaaact ttcctccttt attacacctt atttttctca   120

atcaaaccaa atgatttaga aaatccacat tatgaaagta tgtatgtgta taaacattaa   180

ccaatctata aatgttttta gtcatgaacg catggcgtgc gcttagcacc taggaagatc   240

agctggaggc ggaggcactg ataaagaagg agtgggccca ttctcaacct cgaaagccat   300

ggctagcccc cacggcaaat gagtttccaa atggcaatgc acaagccaaa cacctggatt   360

atttgcttgg aatctaacaa cggaccatcc tccgacgggg acagaaattg tgttacgtat   420

ctgagg                                                               426


<210>      8264
<211>      371
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091g10d1

<400>      8264

ggaaccaatt aaaaacttaa caaaatttaa aaaaaaaagg ggaccgtttt aaaaaacagc    60

tttggtgccc cccgggaaat aaaagcattt ttcaactgga gcaatattgc aagggctgaa   120

atagcctaca caaaagggga gccacacata taaggatgct ttctcaaaca caactgggag   180

cacattacca tccaaggcca acaaaatctt cccattctca cgtaaaaccc ctttatgggc   240

acaattaaac gtccaaaagg ggcatacatc tgttggacac caccctatat aatatgaacc   300

tttgattggt gtctcagtaa ttctaaagta atcatccctg cctgatgcag caatgagcct   360

ccttccactc t                                                         371
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3711

<210>   8265
<211>   427
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g11a1

<400>   8265

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aaatttctca agatctaaaa tacatagagc acagtttttt ttttccaaac taaagaaaaa   120

cagcaaactt ttgaaatcac tttcacgatg tgtagttgta cttgtacaca ataataattt   180

ctaacaacat aaataatgac gagtctttat gtgacaagag atatgccttg tagaattaat   240

gcatcagcta gaacttggtt agcagcttgt gaaggatgga cactgtccca aaacacatac   300

tgtgtggcat tagaacaagt tcctggtgat tttggattac acaacaagga tgttgtctct   360

acagtcccgg taccacagca tcctctgttt gcctccacaa aaccagattt tgaaggggat   420

tgaacaa   427

<210>   8266
<211>   455
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091g11d1

<400>   8266

aaaatatgaa tacacgggca atgaaatttt aaggacaacc cttgctgtaa tggaaatcgt   60

ttacataaga tgatgattta ttctagtttg cactttgcca tgccagctat cattgttgaa   120

acatgcgcga gaacacttaa cagcaattta tacaaacaga atttcttcat taacacttaa   180

cagcaaacac gagaacattc aatcacccca aatacataac ttaaccatac ataggtagat   240

gaaggaatca tattccttct attcactttt attgaaaacc agggaaagta ctgcaacaac   300

catagagccc ctagatggag atactgctgg gaattcctct gaaagtcaat ccctcctcac   360

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cgtccttggt cttctgcata agcttttgct caatc   455

<210>   8267

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<211>      451
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091g12a1

<400>      8267

ctttatctga atgggatcaa ataggcacca taactcacgt tcccacaatc tacttctacc      60

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taagcagagc cctagtgccg ttttatccac tagctggtcg tttacattgg ataaacaagg     180

gtcgtttaga gcttgattgc aacgccatgg gggttcattt cattgaagct gaatcctcac     240

taaccctaga aaatctcggt gactttcac ccctcttcaga atacaacaac cttgtcccca     300

acgtagacta caccctccca attcacgagc tacccgtggt tctcattcaa ctaactaact     360

tcaagtgtgg tggttttagc attagcttaa atacttcaca tgctgttgcg gatggaccaa     420

gtgcattgca cttcttgtgt gagtgggcaa g                                    451


<210>      8268
<211>      387
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091g12d1

<400>      8268

gaaacaaagg aaggatcatt tttaaaaaat tttttttttga caatttacaa caatttgatt      60

ctgatataat ttttcaagaa aaggggggtg caaatgagcc agaattgcaa cattgcctta     120

agcaacggga acccacctgt ttttttttggg gccatttgcc catcaatttg ggaacaaggg     180

gggcttaagc cagaaatgta tggatctttc atgtaatatg cccatgcttc tggtttaaaa     240

atgaattgac ggggttccaa aatttaatgc caaaaacttg ctataagggg ttcctgaaaa     300

aaaccgcatc aacttggcat ggcccaaaaa tgcatgggaa aaacccaagt ttaggcatga     360

atatcaaatg ccctaatccc aggtttt                                         387


<210>      8269
<211>      377
<212>      DNA
<213>      Glycine max
```

<223>   Clone ID: jC-gmfl02220091h01a1

<400>   8269

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aaaccatgca gcgcacggcg ttggcgacag atgaaccacg gcggcgctcc ggcgacgcgg   60

agggggagaa ggtgttcaag gggagcgagg tgttcggtga cacgtcacca aattacttga  120

agaccatttt ggcccttggc gtgtggctcg gaaccattca tttcaacgtc gcgttggtgc  180

tcttcgcaat cttcttcctc tctctccaca aagcactttt gcttttcggt ttgcttttcg  240

tgctcatggt aattcctgtt gatgaaaaga gcaaattcgg tcgaaaatta tccagaaaaa  300

aaaattgggt gtgtttcaag tacatatgca agcacgtttg cgcttacttt cccatcacgc  360

ttcatgtgga ggacatg                                                  377
```

<210>   8270
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h01d1

<400>   8270

```
ccctcctcct ttctcttttg gcggggaccg tgtttttcaa aaggatctca tttatttgcc   60

aagcattatt aaacaataag agtttttttt ggcccctatt tgcccctggt aagaaattta  120

aaaattggca ccccccaagg ttcaaggtta taaaccatta tcctcgccaa aattctccat  180

ctcaaaagct atttttctct caaatattct ttactttaac ccaaatagaa attttgccaa  240

aaagattgct ggctcccttt ccaggatcac tttgttttac aatagacctt ccaacccccta 300

tagctttaac cccaccttcc tgaacatagg caatatcccc cggggggaaaa aaaccaaatt 360

ccccccaccat aattatgcct ctctcgggga ttattttgcc ctcgctcttc ct          412
```

<210>   8271
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h02d1

<400>   8271

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attttcctcc cttgacaaca tggtggtgca agtgcaacac aatctcctct tagtcataac   60
```

3714

```
tttcttgatg ttgttgtggt catggtggag cctcttgggt gcactaggag accctcaaac    120

ccatttaatc aacaaggggt gtagccaata caacgcaacc gacttgtcca acttcaacca    180

aaacctaaac gcaactttgg atgaccttag agcacaggtt agcaaccaaa gcaagcactt    240

tgccacggct caagaagcta gaggagcaga ccctgtctat gccatgtttc agtgtaggaa    300

ctacctctcc accgccgact gcgccgcctg cttcgtggtt gccaccgccc aaatccgcaa    360

ttgctcagcc ggagccaacg gtgcccgggt catctatgat ggctgcttcc ttaggtatga    420

gagcaatggc ttctttgacc agacca                                         446


<210>     8272
<211>     405
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091h03a1

<400>     8272

gggggggggaa aaaaggggat ttttttttaaa aaccccccccc aatttccaaa aaaaaaaaat    60

ttttggaaa aaaaaaaccc ccaaaaaaagg ggggttttta aattggggggg aaaaaaagggg   120

ttttttttta aaaaccttcc caaaatcccc caaaaaaaaa aaccccaatc cccccccctt   180

tttttttttca acaacgggcc ccaaacaaag gaatttcccc ccaaaaaaaaa aaaaattttt   240

taaaaagggg gggggaaaat cccccctttt ttttttttttt aaaccccgggg aaaaaaatatt   300

ttttattttt atcaaaaaac ccgggttatt aaaaggaaaa aagggttttt tttaattcca   360

aaaccctcca aaaaaacccc caaaaaaaag tccctttgggc ccctt                   405


<210>     8273
<211>     522
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220091h04a1

<400>     8273

agactaatac aaaatattgg acccatacaa tcacaaaata cgatgaaaaa gcttgttatg    60

attcctagtt attacaacaa gatggcaacc atcaatctta atcgagcttc aattttgcaa   120

aaaggttaaa ttattgaaat tatatcacca ataaagaaa tagctcagaa acatacacca   180
```

3715

acaaattgtc tagttttaaa taatcaaagg tgcaatccat ctaactcagg agaaactgac 240

tgaagggggt taaaaagaaa tgataaaaat ctgaagaata ttattttcct tttctgccat 300

tgtatcaaca caagcttttg ttcccattta catgtcttgt gtatcttgat tatcatcacc 360

ccctctgttg gatcctcctt gatcagttcc aaacgtcctc ttgctcatgt tagttcgctg 420

cactaatcga accagcgctt gaaccacttc tgacataggt ggtcggaatt ccggctccgg 480

ctgaacgcat agagcaataa catccgcaaa tcgagaaagg ga 522

<210>   8274
<211>   299
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h05a1

<400>   8274

agtcaatgcc actattgaaa gaaattacaa ggggtgattg atgtctgcta agttgtaaaa 60

aatgggtata ataggattgg ggtgatgaga gccggccgat cttgtgagaa atcgactggt 120

gctatgtatg tatatagcgg tataatgaag cgaggtgtct gtgatcgcct gctggacagt 180

ggtgagacca ttaccatgca ccgctgaatg gataagcata tagaaccgag ggtagaatgt 240

aaaaatcgtc tgctttcgtt gagcacctgc cacgattgaa tctactacta ccactatgc 299

<210>   8275
<211>   419
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h05d1

<400>   8275

ggggatcaaa accccatatt ttggggcaaa aagcaaaccg gaaacaacaa aagcccccaa 60

gggaaaacta aaatcaggtt taaaactggg cccacaggaa aaaggggcca aaaggggggcc 120

caacaaccta tttccctaac attaggggca aaaattaacc agagaaaaac caggggggcaa 180

aataaacccct acctgaaacc ccgccaaaaa agaaaccttt gggccaaata aacctggcca 240

aaaccccggg gggccaagta aattggctgg ttggaaaaac cgaaacccca agcccttggg 300

gggtgggacc cctgggaacc ccatctccag gaaattttgg aagtgcctgg tccccacccc 360

```
ggggggcaaa ttgcccaaa gggccaaacc gggagggggg aaacccttga cggccaaaa    419
```

<210> 8276
<211> 527
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220091h06a1

<400> 8276

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aaaagcattt cacaaagaga agacacagtg gatcgtggtt tcacttcatt tcagaccaaa    60

catggtgcag tggcataggc acgttttttcc cttcttcgc cacattcaca agcgagtatt   120

ggaaccccag gccactcatt cagcttcaag ccttgtaatt tctcgcttag cctcttctct   180

ttcacaaggt cagttgggga ggagaacatg gacaacaaca actttgccct gtttttcaag   240

acccgttttt ctcactttcc aacatcaggg aatatcaagt tctgctcagt tgctggcaaa   300

ttcatcagag gaaacacctg ttntgtcacc tttagcccca gtttcattat tgagtagttc   360

aaaaggtgaa gaccagaagc agaaagttgt tactaagcca gaaaaagttc aagcgatatt   420

aaaggcaata aaacagagtc caaagaaggt caacttggtt gctgctctgg ttcgtggtat   480

gcttggtaaa gatgcattga tgcaggtgga attgacaata aaacgag                 527
```

<210> 8277
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220091h06d1

<400> 8277

```
gtccaaaaga caactatcct gattatgaat atcctaaaca atcaaattac aagataaata    60

aaaaataaaa attatgaaac aagcaacata cattgggaag gcagtgtcca caaattccga   120

cagaagggaa tatcaacatc ccacaacgca atcgacccca tcccaaacta acacaactta   180

ttttcccccc aaaagaaaaa atggctcagg aatcataaca tctatggggt ctactttgcg   240

actaaccgac caactcaaaa tatgaggaac tcaaacatac tcaatccttt attatattta   300

tgctgcatag aagaaatgtg gatttggggg ggagaaagca tagaaacaaa taaattgctg   360

atgacagtag acactggttg agaaggatac caaggtatac gaacttgctt gcttaatcat   420
```

```
caattgccag catctcggct ataaaac                                           447


<210>      8278
<211>      429
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091h07d1

<400>      8278

ttgacttttt ttattttttt ttttttttgt tttctttttt tttttgtttt ttttttttt      60

tttttttttt tttttttacc gggcacatag ctcccaccct ttgaacccac agcgacttta     120

tcaagtccta ctgcagcacc agccagtacc cagccctctg catacagtcc ctctacgtct     180

acgggtgcac catgcagcaa daccccacg agctcgttca gacaggcctc taactctccc      240

tcaaccacac cgaggggacc aaaacactcg tcgcaaaatg cctcacatac agaggcctca     300

taccgagaga atacgctgcc ttgaacgact gggctgaaga aatcagtgac agcgtcgacc     360

ggataaccgg tcgctgagga actcaacccg ggaaagcgca gggtgaggac ttcacgtggc     420

acatcagca                                                             429


<210>      8279
<211>      420
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220091h08a1

<400>      8279

tttttttttt tttttttttt ttttttgggg tttttttttt tttttttttt tttttttttt     60

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt aaaaacccgg    120

aaaaggggg gggggaaaaa aaaagggtta aaaaggggga aggggggttcc ggggggtaca     180

aaagggggg gggcgaaaaa acaaggggg ggacccccct ttgggggcaa aaaggggcaa      240

aaaaaaaaaa aaaggggggcc ccggcccta aaaagggggg ggaaaaatcc caaaaaaagg    300

gccccccaa aagattttg gggggaaaa aggggcccaa aaaggggggc cccttttttt       360

tttaaaaaaa agggaaaggg gggaaaaaat tcttttttaa aaaaaaaaaa atgcccccgg    420
```

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<210>      8280
<211>      294
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091h08d1

<400>      8280

tttatttttt tttttttttt ttttttttttt ttttttttttt ttttttttttt tttttttttgg    60

tccgaacaaa aagcagctgg atttaaaaca ccttaaatac tggcaacaat gggcccaaat   120

catgcactta cggaggccct attatattaa aggaggccgg atacatagag tccacgatga   180

cacctgcact attcaaaacg aaattttcat gcacacagag accgatcttt tcatggcaaa   240

atcaaaagtt gtgttcccat aatgagcctt gctgaaaaaa tacttgaaat aggc        294


<210>      8281
<211>      430
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091h09a1

<400>      8281

aagagaaaga caacaaagtt accatattat tatttcacat ttttttctaa ttcttagaaa    60

caaggttacc attttttatc taaatcgggc accagcagaa agaccctaca ctacagtgga   120

acatggtaca gaaatccaaa agttgcatcg aaacaaccat gaaggaaaat aatgaagcta   180

ttcccagatt ccgacctcca tgaagccatt ttcagtggca cagcccctaa acatgccatt   240

gcaattgaaa ccataagcca cttccccagc gttggacaca gcaatgagac cagccatccc   300

ttcatcgaga cggtgcttga tcacaaaatc cacggcttct tgaagcttca agcctttgta   360

ttccatcacc gctgccacct cacgcgccag cgtgccacgt atgatggcct cgccttcacc   420

cgtgcacgat                                                          430


<210>      8282
<211>      416
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091h09d1

<400>      8282
```

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atcaaatagg caacacctcc aaaaaagggc ccccacaaaa attaataaat aaaactgatt   60

tacaaaattc caaagatttt tcctcaattt cctccaaatt acaattacaa cgggaggacc   120

ttaatgactg acacataaca attgtaagac tttacgaacc taacaagaca gttgctcatt   180

ttcccctgc catgttttct tttattgatc aaaaggcaaa accacaaaaa aaaaaaaaaa   240

atcctgccca tttgaaattt tacataacac caaactcaaa aacagagtag cacagaccac   300

ttatatacac aatagtccta tttgaacttg attgagtttt aatcctctac catctttct   360

ctgcttcctg gattagctct cttttgttta tacatatttt tagttcaaaa tgggtt   416
```

<210>   8283
<211>   360
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h10a1

<400>   8283

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accaaaggaa aaggaaggaa accttcaaat aaaaatttat gggaaattgg aataaaaaaa   60

gaataggaaa ggggtgtccc attatggccc cccccggaa acatgaaaaa tgaacccgcg   120

ctaattaatt aacccctcgt ctaaatctca agagggaaca attttggacc ccccacgggg   180

gggccctgat gaagatccca aaaaaaaaat cttttaactg gagaaagggg ggggcttagg   240

catatccttg acaattcccc aaacaagctg ggtcttttggg agggtgtacc catccctaag   300

ggacctgttg ggaaacaaaa cactcacgta caattggtgg cccaggaaac gattctttgc   360
```

<210>   8284
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h10d1

<400>   8284

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atcccatctc ctgcaatcca aataatcgtc aactagtttg agtttaaatc cccttacatt   60

tgaaaagaaa gacaaaacaa tgataacttc tgagagtttt ctttgacaag aacagataaa   120

gatagcaacg tttgattttg ggtgtgtgtg ggtggtgggg ggagagcatt taaaaattat   180

attaaagtga taccaaagct caacaaaaat gatggcacag gaaacatgta caaaaaaaaa   240
```

3720

agcattgtag ttagatataa atacgtcaac caaaagtgac accccccacc caacttggca   300

atattaacca tttagcgtgt tctcttgact tgccgccaat tattcatttc tttccttaca   360

gcttcctagc agctgggttt gagtatgaca atattag   397

<210>   8285
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h11d1

<400>   8285

gtaaaaagca agtaacatta agttggattc ggatacacaa gataattcac attatctgaa   60

gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac   120

tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg   180

tgatcggcga ggttctccaa tggaccctt ccggtgacaa tggcctgaac aaagaagcca   240

aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa   300

gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca   360

gtgacctcac cgagggggcc accagcaata cggtaacctt caacggcacc cattaggata   420

acttgtgtgg cccagatggc gaggatgctc tgggcgtgga tcaggcttgg gttgcccaag   480

tagtcgagcc caccctcgct gaagatctgg gacccggcct tgaccacacg   530

<210>   8286
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220091h12a1

<400>   8286

gattcagcaa gtgcgttttg gaagcattag accgaaatac ttcgagatgg cccgtacaaa   60

gcaaactgtt cgtaagtcaa ctggaggaaa agctcccaag aagcatcttg caaccaaggc   120

tgcacgtcag actgtaccaa caactggtgg tgtgaagaag cctaattcct atcgccctgg   180

aactgttgct cttcgtgaga ttaggaaata ccagaagagc actgcgcttc tttttaagaa   240

gcttactttc catgaggttg gaaacgtgaa attgcccagg attaaaggac tgaactgcgt   300

3721

```
caacagagcc atgctgtgct tgcattgcaa gaggctgttg aggcttacct cgtcgggctt   360

tttgaggaca ctaacttggg tgccattaac gacaagc                            397


<210>      8287
<211>      450
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220091h12d1

<400>      8287

agcggaagat ctgaaaccgt tattgggact cgggaccact tgataacata cataatctga    60

ctcattacac gggacacata taggcagagt cgggtctgaa agcgaaaaat cagtcgctca   120

ctgatcatag actacaactg tgctataagc tatggcgatg tataggacag ggtacacgtg   180

gtgactagtg aagaggagag gaccactgtt tgaggtgtca ggagcctgta ctaggaacat   240

gatcctacat accatggacc tttgttcaga acgggatatc tatgaggggg cactcaatag   300

tcgaccttgg gccataatca gggcccaggg agtgaaggct gtcatgagat catagctcat   360

ggcagaccaa tcctatgcgt gcacctgatt tcctagtgct tgagatcgat cgcacttgga   420

taaccagggg cgtccaaatg gagaagatgc                                   450


<210>      8288
<211>      93
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092a01a1

<400>      8288

gtaaaatcat ttcagtgtac agttttcacc atcaactttg cccatcgatt tactctttct    60

ttatgataat tgttcttgtt atggtgagca agc                                93


<210>      8289
<211>      93
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092a01d1

<400>      8289
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gcttgctcac cataacaaga acaattatca taaagaaaga gtaaatcgat gggcaaagtt      60

gatggtgaaa actgtacact gaaatgattt tac                                   93


<210>      8290
<211>      450
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220092a02d1

<400>      8290

aaacagaaat gaaaaatgat gattagctcg attcaatttt cactacggca gtggcagaag      60

ttcagtatgg tgaattttga atacgtactt ttccatctgc ttttcatcct ttatacaaga     120

gaaatgtagt ataatatgac gcagccataa agagcactca atcattaata cagaagatag     180

ttacggagcc tgtacacctg gtgtctttct tgcctaaagt tgcagttcag cttcttcaat     240

catcaaaagg tgaataacgt gatcatttaa acttcagagc cagagggctc tgtggacaac     300

gatgagtctg tgccataatt ccaaaggctc ttcaactcac ctcttataca tcccaatatg     360

actgtgacac ctagtgtgca tggaacaagg tagagaagtg caggttgtcc atttncattc     420

atcagatata gtcccatata tgtcaaaacg                                      450


<210>      8291
<211>      535
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092a03d1

<400>      8291

aaaaataata tcgaaataaa ctatacaagt gaagagtaat tttcacctta ctgtacaaaa      60

tcataaaatc atttgaccat ttttttttaca tgtacaacat aataatctgt ctaaagaaga     120

cttttttttt tattttatat atattaactt tctgtcaaaa aatcactgtt ctccatatta     180

cgaatctttg attatttcta aactgtgaaa taaaaaatta tatgaatgga tttagctaca     240

aactagattt aggcaaaata cgaactagtc ctcgaacaac tgctcccatg gctgtgtaga     300

aaatgtgtag aatttgcctt gcccttgtct cccttttaac aactcctatt gcaaaagaat     360
```

3723

gatctataga aagttatttg ttttgttata ttcctaatca cggtcttgaa agctcccaag 420

tgaacaacaa acatgtaaat atgtagatga gaaaattgat ggacaaagca ttagatttgg 480

actccataac catttctggg actgggagat aaccttgtaa tccaatgttg aaaac 535

<210> 8292
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092a05d1

<400> 8292

ggcaaattaa ggagtttcca ttaaatagcc aaaagcaaaa ttcccattgc ttctcccatc 60

atcagtctat ggtatatgca tactgaagac agagatgaag tggttgatcc aaaaaggcat 120

aaatcgtaaa tatgaaaagc ttattgaatg aatccaaata ggttcctaag acattggaat 180

ggctttaggg gcctgcatgg aaatgaggga at 212

<210> 8293
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092a06d1

<400> 8293

aaaactcaaa aacaaatgta acggtaataa tgaaaaatac aaataattta ttcagctgtt 60

ccttcatgat tcacccatac atgaacgatg attactttgt ttagctggca tagacttgca 120

tgtaattact aattacacct catcaattaa ttctgagaag caataatggt gctatacatt 180

acattacagg acacatgtat aatggacaga agcgtggaag acaagcccca cacacgaacc 240

atcatgtctc agcttcacga caacgacact ttcctcagct cactctcctt cacaaacagc 300

ccatggaacc cgtacggcac ccgccgcgga agcctcaccg tcgtcacaac atctagctcc 360

ggcgacttcg cgtccatcac caaaaacctc gactccccct tcctctcatc gtgcacgtaa 420

ctcaccaagt acccat 436

<210> 8294
<211> 496
<212> DNA

3724

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092a07d1

<400>   8294

gaaatgagga tggtttttc atataaaaag cacacaacac ttgcaagtgg gatacttcta   60

cgtcttaaat ggataaatac attcgtggtt tcaaaaagta accagagcta caattataac   120

agcttattta caacacgctt aacaaattta caaagaaaat cctccagaaa gcgtaattag   180

actgcttcgg caaagccaac ttggagattt ccatagtcaa agacggtgtg atatgccctc   240

atgaaaacat cgccaagaat ccacaatgga ccctttggag gaggaacatc aaaagcaata   300

aacccactaa ggcagacttc tgtaatgcct tctccaggtc ttagaatata ctgctctggt   360

gtgaggacaa aagggttatt tccaattgtg aacgtaatgt ttggcatctt ggaaagacta   420

ttacagctta tcactgactc tccagatgga cttggcaggg tctcacacag gtgattcaca   480

tagttgaata ctctgt   496

<210>   8295
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092a08d1

<400>   8295

tagcggggat ttgcgctggt acatcgttgc agtgccgcct gcttggggggg gggggggga   60

tgaaacacga agaagttaga aagtatgggg taggcaaaat agggtataaa tagtgtgtag   120

gggggggaga gagtgtgtgg gtggggatag gagaaagttg aggagatggg ggtggggtgg   180

ggggtgggtg tgtgacaccg accaagcgac cagaatagag caaagcggca gtaaataggg   240

gttaggagac agtcatactc aacaataaac gatggtagaa attgggaaca gcgggcacct   300

gggcgtactg caacgtaacg aataggtata gtgagcaata aactaaatat aacccgagag   360

agaacctgac ctttaagact gggggctatg caagagcgag ccgaatttag ctttacgatc   420

ggttatattt gtgggagggg catatatgtc gctaggagaa gtggagctga aggagataga   480

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ttgggtgcca ggtgttggta gtgttgcgg   569

3725

<210> 8296
<211> 562
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092a09d1

<400> 8296

gattgacttg cgatttgccg tgctacatgt gtaggagtac cgcctgcttg gggggggggg   60

gggggaaggg gaaactaaga gaggctggca gggtaggatt ggggaagagg taagactaac   120

taaagaaagg tggataaacc aaaaatgaag tactgaggtt aatctgaaga aaagtaaaag   180

gaaacaaagt gtaaaaagac tggttgagac ttaaaaggga taatggctgg tgttatgaaa   240

ggtaatacaa aaagaatttg acaaaaatag ggtattagag agagggtaaa ttgagggcac   300

caagttgtgc cgccagagct atagccacga cggctgcgat agtggcacct atgttatgtt   360

agtaaaatca cgtgaccgaa ggagacgcat cggggtgcgg caatgtgaat aactgattag   420

accggtccgt actaagattt ataaagacac ttgtgcgcgt tccctgaaac cagagcttac   480

taagtgtctt aaagacagtg agtgtggcat tggcggtaga attacaagcg cacgtaaaaa   540

gagcgataaa cgtgctacct gt   562

<210> 8297
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092a10d1

<400> 8297

ggcggggggtt tgcgtgctac atgtgtggag tggtgcttgt ttggggggggg gggggggctg   60

tgaaatgccg aaaaggttac agtaagaacc aggctcctca agttctaaac aggtaatagg   120

taggacccaa aataccacgc cccaaaaaga accccccacc ccggcaccaa caagtaaggc   180

tggattcact tggttgggct tgttgggagt gtgttttttt ggtgtgggtg ggtgttgttg   240

ttgggtggtt agtgtgtgtg gtgttgtgtg tgtttggggg tgtgggttgg tgtgtatttt   300

ctgacaggtg atgggtggag gttaggtatg   330

<210> 8298

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<211>      483
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092a11a1

<400>      8298

gcagctgaat atttgagcga actcacttta aacagtggca aagagtttag ggccaaggtc      60

gaggagagag atacatctgg agggaaagcg aaagggcagg gtactgggac agtgcttgcg     120

gtaactctag tagctgtgga ttcggagatc agtgttaatg ctgccatgct acaggaagga     180

cttgctaggc tagaaaaaag gaataggtgg gacggaaaag aaagacaaca ggcccttgac     240

aatttggttc cgttccaggg cgaagctcga accagtaggc gtggaatgtg gcagtatgga     300

gatatccagt ctgatgacga ggacactgct cctcctgcta gaaaggctgg tggtagaaaa     360

tgagtgtatt ttaagagggg agataagtta taaatagac attttcaaag aaaatgagca     420

agttataggc atgaacattt taattcaagg tagaggaaaa aaatgccata tgtaatcctt     480

agt                                                                   483


<210>      8299
<211>      487
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092a11d1

<400>      8299

cggttgaccg ggccgtggcg tgctacatgt gtaggagtgc cgcctgcttg gggggggggg      60

ggggggggcaa atattgctta gagctattgg ggaggagaaa agaacgggaa aaaaggcgtg     120

tacttgatta ataaaagcga agttggacga acggggcggg gcggggaaag gggcggccga     180

cctgcacata aaatagaatg gatgaaccag gatagagcct aggggggggtt gtgattggca     240

aggaaaagcg gtagcttgag aatggctgta ggggtgggca aaagcgtgag gggagaatgg     300

agtgttttgt ggaaaagata tgtaggggtg attattactt gggtgactac caccactacg     360

cgttgtcgta gtacatgcca gagtgttaga tgcctatagg ttatcttgat gccggtcact     420

ggtctttgcc aatccaatta aaggcgtaac ccttgcggcg tgggtggggt tctttattga     480

ggtgggg                                                               487
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3727

<210>	8300
<211>	579
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<223>	Clone ID: jC-gmfl02220092a12a1

<400>	8300

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agtttttgaa ggcgttaata ggttttatag atgttgctgg gctttatttt gccttgaccc	180

agttgactca caggaacatc tctcagaatc ataaatttca agcagttgga cttggctggg	240

catttgctga ctctgtgctg catcggttgg ctccactttg ggttggtgcc agaggattag	300

aatttacttg ggattacatt cttcagggcc ttgaggctaa tgcaaatttg gtgttgagca	360

tatcccttgc tgcacttgga tctttgatgt ggcttcgaaa aaataaaccc aagaccctca	420

tccctattat atatttgagt gcacggattg tagcaaccat gccatctatc acaagctatc	480

tgaggcgtgg attgaggtgg cactttccca aagtggtctg gtctgagctc ttcacatccc	540

tggtgatggc tnttattagc tggcaactgt tttctgatg	579

<210>	8301
<211>	507
<212>	DNA
<213>	Glycine max

<223>	Clone ID: jC-gmfl02220092a12d1

<400>	8301

ttgcggggat ttgccgtggt acatcgttgg agtgccgcct gcttgggggg gggggggggg	60

ggggggatt ctaacaaact cgcggaaagg aaggaaagta aatgccgaac aaaaacaaat	120

gaaaaggcag aaaaataggg agccaaggga aacaaatact aggctactgc ttaaaaaact	180

acagcatttg ccagtaaaat gtgacttaca aaagacggaa ctaccaggtc agtacgagcg	240

aagcactggg tgtatatgca accgtgtgca tagatacaaa atacggctta ctggagaaaa	300

cttagtatta cccagcgcaa cactgtaaaa ttcattatgg gcccaaacgc ttattttaag	360

ttatcttgta cagactggcg cagacagcct agccggctga taagtttgct atgtaaagag	420

3728

agaagaccca gcacccgtgg cccgggaggg gggtcaactt atagcaaaca gttaacgcta   480

ctagcccaga gctgtaatat taaaggg   507

<210>   8302
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092b01a1

<400>   8302

aaatataata ataatatata tatatatata tatatatata tatatatata tgtttttttt   60

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ttatatatac tctaaagttg gaagcttttt attcttatgt atgatggttg tgttgtgtga   180

gttctcaagg gaagcaaagt cctatctttc acacctttca gtctcaaccg tgggaagaag   240

aatctagggt ttaacagcac caccccaagt ccatcaaggt ctgtgctttg gtgcttcttt   300

ttttttttgt tttgttttgt tttttctttc tcactgggaa attgggtcga tttttttttt   360

ttgtcggaag gaggatatgc tgcaacttgt gaggtaccct cagtttgttc tgattccaag   420

gttgttcctt gttgccaaaa aacattgctt tttttcttca tgagttggaa ttctgagact   480

ttaacctgaa attctgtttc tgtggctccc ttgctggtga aaaaatggga tttttttttca   540

t   541

<210>   8303
<211>   282
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092b01d1

<400>   8303

gaatgaacac atacgagttc acaaaaaaaa gggggaaatt tataaaaaaa tacagaaaaa   60

ataaaacaga attgagtaag agggaaggaa acatagagaa aattttagca atcagataat   120

aagaagccag tagtagtgca aaagtccctt gccaagagtg ttggaacccc ttttagttaa   180

gcaggtacct tctccccctt gagtggcttc accacttccc atgtgaagtc agggtcatct   240

ctgccaaagt gtccatatgc agcagtcttc aagaacctgc ca   282

3729

<210>   8304
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b02d1

<400>   8304

agttcaaaaa caattgctct attatttaac ctagaattaa caaacgtaca gcttccacat   60

tattactagt aaacataatt aagatgatcg aaatacaaag tgacagtgaa aacactctta   120

ttacttgcaa accgatcgag agcatccaaa tacagacata cagccaataa taaccataga   180

caagtattgg ctattttatt caaaagcaca atagataagc aaaccacaca cacattttag   240

atggagatac tgttgggaat cctttgaaa ctcatccctt cctcacttga acgatggagc   300

aatgtgtatg gaagctgaac tggcccatgt cggcttttca gacttggatc attgttcctc   360

tgtgtgattt ttccctcaat ttctgccagt ttgtttccaa acttttttgaa agcttccaat   420

gcctttgaat ccgtagtcca atttggatta tcccttttggc caggtagacc tcatcagaag   480

catgccttga caatatctct atcact   506

<210>   8305
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b03d1

<400>   8305

gttcatgctc ttggatgttt aacgaaatgt gacaaattaa gggagtaata aacgaaggaa   60

aggagatgta cagtgtacag atgtgaaatg tagcccaaaa ttccaaaatt cttgcatggg   120

taaactaaga ctttacaaac ttaagctgtg acctgaacag actttgtgcg ggggaaaaa   180

gaatatacta aaacgtgtat aagctataca ctaagcttga aattttaata tgcaacgtgt   240

ctaatctact caagttggcc ttattttttt tggaagctgg gtccccatat tcgaatggga   300

taatcatcac ttgcagatgc caacatttgt gggattttgg ggttccaact tacacaggtt   360

acagtcatga agtgcccaga ttgaaccttt acaggcctgg agttccggca gtttcaaatg   420

tatacctgtg aattcttact accactggcg ataaacgtgt tat   463

3730

<210> 8306
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220092b04d1

<400> 8306

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ttttggccat tcatgaatga agctatagac ttcaatatta acgttatcaa acacgatata    60

ccctacatta gaactgttct aatgtcaaac taccattgaa aatgctgtcc aaagtagccc   120

cttgagaaaa ggtgcgaagg ccagaaaact tgacataaaa tctcagggat caggtggaaa   180

tgaaaatggt gaatcactta tattaacagg actagtgtgg gttatctata tcacactttc   240

aacggttgca tattcagatt gtaaactatg cttatgtccg cctccttact cgcctgccat   300

tcggattaac tgattcagca gctgccccat ctgctaaatc ttgaccatat atgctactgc   360

cacttctctt tctgcttaat gtctggcctg agttatcatc cactgatgca aatgtctcca   420

gcaattccaa cagcattgag gggcagctct ctttcaaatg cacaaaagct tccgactgca   480

ttacagctcc caagtttgca ggatttgcaa taaattttaa acagattgcc ttaagctgtg   540

g                                                                  541
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<210> 8307
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220092b05d1

<400> 8307

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acagacaaaa gcattaatgt gttattttcc tcatactcaa gattcagcaa catataaagg    60

gtttttgggc ctaggcctcc ttagtaacaa aaaacaaacc acaaagggtc aaaggataac   120

aaaatgcagc cactaaggca ggcattggga aagattgcac aaaatctctc ttgatatcat   180

tttaatcagt aggaaaatct gttacggcta gtcctgaggg acctacgttc ttgctgatgg   240

aagcacattt tttcctgccc cagaagcaac attgatctca atactgtcaa aaatgtctga   300

tcctgatttt gtaccgtcct taattggcaa ttcatggccc tcactgtttc cttctttggt   360

tttgttcaat ttgtctttgc tttttcccca taccacggtg taaagtccac tcacaatgat   420
```

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aatagctcca atcacacttc ccaaataaac ttgctcagcc aaaacaatgg atcccaatgc    480

agcagtgata atcatacata gagggctgaa agaagtcaca aacacag                 527


<210>    8308
<211>    539
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220092b06d1

<400>    8308

agtaaaatag acgatgtaaa tgaacatgtt taaaaattaa tgtcagatgt agctttttaca   60

acatcaagac tcaagtaaac caaaaacata acaaatttga atactatgac acattaccca   120

gttgattatg ttctaagata cgcaaccaat acaatagcca cgataaggtg taaaaattgc   180

acgggaagac ctcacaccat tcaactcttg aaagaaattc aatcatcgac actcatgagg   240

aaaatgattg tagcgctcta tcaaaacttt cttcagctga tgatacccgt ttgaccaata   300

catgctctgg gtgagaaagt ttcagctggc tgaatgattt gttagatggt ttgccgagat   360

gaagacagca tacaactaga ttggctagag tttctggatc cctggcatcc ttgttaagag   420

cttcaaccaa aagggtctca gcttcgtcga agttgcccat gtgcatgcag caaacagcct   480

tgccattcaa gagcaagctg gtggactgat acctctgcga caaatcctgg aagatcaga   539


<210>    8309
<211>    327
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220092b07d1

<400>    8309

cgggatcttg cagacagagt agaattaggt cgacagcgcc ctggtagtcg gccgtcgtcg    60

ttcctatctt tttttttttt gtctttttat gaaaacataa ttacatggtt aacagaccag   120

ggagtacttc aaaatacaaa tggctaatta accaactaaa agtaccaact caatttagaa   180

agtcctaaga aactaactga taatgggatt gctttcgttc aaccccctgca caaacttcaa   240

actttaacta agaggtagac tcatagtatt agagggaaaa gtatttatat ccgggattaa   300

aacagcccta aattgggcac atgggaa                                       327
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<210>      8310
<211>      563
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092b08d1

<400>      8310

tgccgggaat ttgccgtcta catgtgtagc acgtgcacct tcttggggggg ggggggggggg   60

atcgaaggaa aacgcctagg agccaagaag aagagtgacc acaaaacata aatgaataga  120

gcgagaaaat gactaaagct aaccaacgga taaaatatga tatttcctga aaaggctagg  180

aaggtacgta cttgaaaaat aacgataaat ggtgcaagaa taacaaagga aagcattgaa  240

aaaagctatt gatacacgtt agatagaggt gccgctagtg ggttggggtt tacttaagcg  300

atcagataaa gatagtggtg tgattggtgc tttagtggtt acatgataag tggtggctgt  360

cggggtaggc aacagtgtta taggtaattg gcctagtggt ggcctgacta atggctacct  420

gttcatacgt atggtatacc atcatagtta aacccagtct aggcgggtag atggtttgat  480

cgttcgtaca acgcttagcg tcttaaaaac ctacgtgtgg agtgtaactg gttgaactgg  540

tggctagcta ggtaatatag ata                                          563


<210>      8311
<211>      515
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092b09d1

<400>      8311

tgcggggggat ttgcctgcta cacgtgtagc agtaccacct gcttgggggg ggggggggggc   60

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ctgaaaatag gcatgagcga caaaataaca agggatatcg gcatttaacg tggggcggga  180

tattgctcgt ggctagctcc accgtgcgcc cgtttatagc cttcctaaca ccgatggttg  240

gttcggtttc ctcttcgatc aaggcgactg tctttttcgt cgtggcgtta ttacaatttc  300

atttccagaa ttgccagagc ttttctgttt caaagtttt cgctaccttc aaatacttgg  360

taatcctctt cgcccagcat ttgcagacaa ttttgtcggc aatcccggtc gtatccggtt  420
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tcttaaaact cgcctgatcg ggagaattag cttcgtaact ttcatcgtct tcggacctct   480

aaggaatcct ccgcttgcgc ccttcgaact ccctg   515

<210>   8312
<211>   545
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b10d1

<400>   8312

catgccggga atttgcctgc tacacgtgta gcagtaccac ctgcttgggg ggggggggggg   60

ggggggggcaa gaaaatgttg aataagggcg aggaagcaaa agatgggata agggtactat   120

agagatatgc ttagcaagag aaggggctat ctgagaagga gtgggtctta taaataagcc   180

acgacgctgt aataaactat aaattaataa gaagaatacg gggacggcta ggaagggata   240

taacaaacga aaggaatcga agacctaata tagcgcgcgt atcggtagca ccagtagggg   300

agaagcagag ctaataggca aggaagagg tgtagctaag ccagtaggtg ccaccaacct   360

tggcacccaa atcgtgcaga gtacgctaag aaggcgaaag tagcgaaggt ggggctattt   420

aatccagtgg gcttgctttt cgcctcgtta cgcaggcctt acgccaacaa caacgggccc   480

aaggcaacgg gtgcgagcaa ctgcgcaagc cccttggctg ttaagttcgg ggtataactt   540

tattt   545

<210>   8313
<211>   390
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b11a1

<400>   8313

gacgttcttg agtgtccaat aatcattgga gtttggaatg gatgatcaag aatggctaca   60

tttaagtttt aaaaaaattc ctcttgccgt gtgcaccctc tattcctatc atattatgcc   120

cttttaatat ttctcaatat caattatgat attgatatca taattaatgt ctacgtatag   180

atctttaacg ttcttcactt ccggaaaggc agaaatatca aagttgtaga ccctttcatt   240

agtgaaaacg gttcaaaata atgaaagtct cttctctgtt tttaacataa aaaaaaaaaa   300

3734

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa   360

aaaaaaaaaa aaaaaaaaag gggcggcccc   390

<210>   8314
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b11d1

<400>   8314

tgacgggcaa tttgccgctc tacatcgtgt agcagtaccg ccttgcttgg gggggggggg   60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gggggggggg gggggggggg acccgaaaaa ttcacaaaaa attggggggg ggggaaattt   180

cgggattaga gcaaacccct tttaattggg agggggtttt ttggttccaa cccaaaaatt   240

ggaaaaagtg gggttcccat tgggaggggc cggttaaagg ttgaaagccg gggccaaaaa   300

gggaaaaccc ctaaagggca gaccaaaaac cccccttttt tccaaaacca agggggggaa   360

aattgaaaac ccttttgggg gccatagttt ggttaaattt ttaccggggg gcctttttta   420

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<210>   8315
<211>   625
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092b12a1

<400>   8315

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cagagttctt ggagcagggc accaagtgac tgagccagac atccaaaagc tcccatacct   120

ccaagcagtg gtcaaggaaa ctcttcgtct tagaatggca atccctctcc ttgtaccaca   180

catgaacctc cacgacgcaa agcttggggg ctatgatatc ccagctgaga gcaagatctt   240

ggtgaatgca tggtggctgg ccaacaaccc tgcacactgg aagaagccag aggagttccg   300

gcctgagagg ttcttcgagg aggagtcgct tgttgaagcc aatggcaatg actttaggta   360

ccttcccttt ggtgttggca gaagaagctg ccctggaatc attcttgcat tgccaattct 420

tggcatcact ttgggacgtt tggtccaaaa ctttgagctc ttgccttccc ctggccagtc 480

acagattgac actagtgaga aaggaggggc aattagcttg cacatactca agcattccac 540

cattgtgggc aaagccaggt cattttagac ttcaccacat gatcatgatc atatgatcaa 600

tcccCctaat nnnttctttt tcttt 625

<210>   8316
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092b12d1

<400>   8316

gtcgtttcgg gggatttgcc gttctcgtgc tgcatgtgtg cagtgccgcc tgcttggggg 60

gggggggggg ggcctgtgct gataataaga aacggtgatg agaagcaaat acaccaggga 120

cacataaaac gcgaccgaga ggacaaaatt agtgtaaaat tcgctagcat ggtaacggta 180

cacaggtata agatttagga ctaccttaaa gagagagcat aggggggccaa taattttagg 240

ggtaactagg cagataagat acacgaaaca aaacccaaaa caaaaaacaa aaaaggaacc 300

ccaggcagta gagcagtagc agtagcgccg ccacgtgaaa agcattggcc tgggcttata 360

agccgccaag ctggcacgag cgctaactga aaggctttgt tgggtgtatg acgcgtaagt 420

gcgcatgcct tagccccacc taacactgta aacggggcca ttaagatcgt taacgcagct 480

tagcaaggct aagctaacaa gcag 504

<210>   8317
<211>   568
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092c01a1

<400>   8317

acagtttcca tctctctcac aaaatgacaa caatatcaaa ttgctccctt ctcttcctct 60

tcctcttcct ctccaccctc cacatagctt ccacctctc aaccccacc aacttcatca 120

agtcctcctg cagcaccacc cagtacccag ccctctgcat ccagtccctc tccgtctacg 180

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cctccaccat ccagcaagac ccccacgagc tcgtccagac agccctctcc ctctccctca   240

accacaccga ggccaccaaa accttcgtcg caaaatgcaa caaattcaga ggcctcaaac   300

cgagagaata cgctgccttg aaggactgcg ctgaagaaat cagtgacagc gtcgaccggc   360

tcagccggtc gctgaaggaa ctcaaattgt gtaaggcgaa gggtgaggac ttcacgtggc   420

acatcagcaa cgttgagacg tgggtgagtt cggctctgac cgatgagagc acttgcggcg   480

atgggttcgc cggaaggcgc tgaatgggaa gataaggagg cgattagggc tagaatggca   540

atgtngctcc gttactagca atgctctc                                      568


<210>      8318
<211>      507
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092c01d1

<400>      8318

catacaaaaa cagaactcat atttcacatt tgatcagaag caacacaaga tccatatctc    60

tataaaaact cacaattaca tacaccacac aaaacacaaa attaaccatt aaccaaccac   120

atagaactgt ttgttctttt tttttttccc ctcaaaggaa aaaacgaaaa caaaaaacaa   180

aaactttctt cccaactccc cctagtgttg tgcagcatac tgattaataa gcgagagagc   240

attgctagta acctgagcaa cattgaccat tctagcccta atcgcctcct taatcttccc   300

attcagcgcc ttcccggcga acccatcgcc gcaagtgctc tcatcggtca aagccgaact   360

cacccacgtc tcaacgttgc tgatgtgcca cgtgaagtcc tcacccttca ccttacacaa   420

tttgagttcc ttcagcgacc ggctgagccg gtcgacgctg tcactgattt cttcagcgca   480

gtccttcaag gcagcgtatt ctctcgg                                       507


<210>      8319
<211>      534
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220092c02d1

<400>      8319
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ctatagacaa ttcaagtgcg ctatttatta ctggaacata tgtctgcctg gaatagatta    120

agattctata gctagcaata agaaaaaaaa gtaagcataa actgcgcccc cttgacaaat    180

ttgtattagc agatgtcaac aaaaaggaca aatgcaacct ggattcggtc atccactgta    240

taaccttcaa tttagtaccc tcattattca tgctacatta cactttcatt ttccccaaaa    300

ttcaaaagaa aaatacagat caaacaagat catcaacaaa taaaccaata ataagcctcc    360

caaagttcca aaaagactag gaaaccaagt taacaaatta agccttaaaa tatatctctt    420

ttaagaccct aatgaagatg aagatgttaa tgtgaagaga ggaaggaagc ccttagacac    480

acgcacacac acacatatat ataaactctg atgagatgat gatatngatt caca          534


<210>      8320
<211>      586
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220092c03d1

<400>      8320

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atgatattaa cttgaaaact tcgaccccct gtaccactca attctatttt aaaataggtc    120

ctaacctaaa aatgtaatac attgtatttt gtcccctccc cactgaagct tctcaaccaa    180

atccaaaacc ctcacttgct tcgtgaattg ccagcagtaa cctctcttct aaatggtgtt    240

tagatggata ctccggcaaa tctaattgat tgaagcaagt atgagcagaa ggcaagtgat    300

caggacttcc atatgctttg tgtatctgaa acttctggga gcctgaaatt ccttgaagag    360

cgctaaagcc ttccaaaggc accttggatg tgcctgtcac aaattgcaac agtcgagctt    420

tgacttcttt gctcaaacct tgaacaacct nccaaaacca ttggataact ggcgatgcag    480

cactatatcc agaatattcc ggatttgctc tcaagtcatc caagtcaata tcaggaagtc    540

cactgatcaa cattccagct ctttgcattg atatcgatat cactcc                   586


<210>      8321
<211>      413
<212>      DNA
<213>      Glycine max
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3738

<223>   Clone ID: jC-gmf102220092c04d1

<400>   8321

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tcaaataacc atagactttc aaatctctaa gctatctaag aaactaaaat ggttctatgc   180

aaggtataaa cctatactag agtaaaattc cttctttctt tacactaaga ttttatcact   240

acttccaaga aacaagcaca tggattagaa gaaaatatga gagacccata ttaccaatgt   300

caccaactat gacctatgcc ctgttgaatg gcttatttag gccacaaagt ctggtagcaa   360

ttgtgcagct aacctcttgg ggctctgcat ggtgatactc tcaaatgctg ctg   413

<210>   8322
<211>   368
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c05d1

<400>   8322

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tttatgacag aggaaggagg cagagatcct ttgactgaac ctagcttaat tgtatctgag   180

gcaggtgatg cagaaatatg ggtgctattg tcaggtgcag gagttggaga accaatccat   240

ggtccttgaa ggggggtttg ggacatccaa agtgtgttat gtccaagaaa attcctcaca   300

ggagtagttt gatcagggtg tcatggagta attgcttgtg gattatccat gacagaacct   360

tttgcaat   368

<210>   8323
<211>   521
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c06d1

<400>   8323

aaaataaaaa gataacataa attaaaggt atactaactt tcatcacccc cgtataacaa   60

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taaataccctt attcgtgtgt tttgacacaa ctattagtta tgctattcta tttcctgggt   120

taaaacatgg tagaaaataa attacaaaga ccaacttgcc aattacaaac agcaggtgat   180

atactcagtg gtagaaaatg tacttgacca cagagaaggc aatggagatg tcctgggaca   240

gctgaatgtc acacacaaca tgttcattcc catttccatg attacaaaat tgttgtagga   300

gaaaatctct cattctcgaa gaacttgaaa aaagttcatt attttctgat tcaagaatta   360

tttttcagaa actcatggtt cctattctca catttacgtc atgaatctca ctgagaggtg   420

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tttagcttag ataattattg gagattattt tagacaattg a                       521
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<210>   8324
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c07d1

<400>   8324

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agaaaatagg aaagaacgaa aagttcacac aaaaatagta gacagtggaa tgcagcaata    60

aattatacat atccagacct tgatacaatc attaaaaata tccactaaac tattgttgtg   120

cctttaaaga tcttgtcttg acacaatttt gagtcaagcg aacaggttct aacaactagg   180

tggatctgcc aagcaaacac cagggtcagg agaaaaactg aaagagccct tttcaagacc   240

caacgacctt cttttcactt tactctgcag cagtttcgtc actgtcatct ccttcatttc   300

tgatatcagg cagtgtatca agatcggttc gagcctcggc cacatcctcg tggatatgag   360

tatcagaaga atcgattgca tcttgttcag ctgaatccat agtttcgttg gcagagaaag   420

agtctgatgt ttcatcagtt tcacctgttt gtgtgtcacc tttgaacatc tcatcttctg   480

tggcatcaac atttggattt tcatttgttt c                                  511
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<210>   8325
<211>   298
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c08d1

<400>   8325
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tcgctcgccg agaggatgtt gtccgctctc tagcatcgtg tagtgggtag caaccttgct    60

ttgtggcggt ggggggagggg tgggcacttg aggtgatggc agattgcgac tcaggtagca   120

gaagggataa acgcccgggg ataaccccgg taactaatgg gctactgact gattgtccct   180

gtagcttggt aagggagaga tgggaagcta gtaggcaggg tcgccaggga gctagctgag   240

ggggatagcg agccagtcgc cccactgatg aggggataga ggagagagct gtagcccc     298
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<210>   8326
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c09d1

<400>.   8326

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ctgccgggag atttgccgtt ctgcactgtt ggacgtcccc tgctttgggg ggggggggg    60

gaagacagaa caaataaaga tatcaggaag gtgggggagg ttaaacgtga gtacaaagta   120

tgattaggaa ttaagtagtg tataatcgat gaacatacca gaaactggaa ggaactccaa   180

cgaaagccaa aggaatataa aagaagagga tctagttacc ccggcatgag aaactaaact   240

aacgggttgg gtgtacaaac gggacgaaat agcgcggggc gccactgcaa tggaggacac   300

cgccaaagaa cgagcccgac cgaacaaaag caggaccgca tatcaatatt ggccgattcg   360

cacaagggtt ttaagcactg ttttgggctt acaattcatc gattgcttgg taagcgcctt   420

agtgggcagc aaaac                                                     435
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<210>   8327
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092c10d1

<400>   8327

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gggaatgtga gtacaagagg gggagggggcc acgctggata gtgggaggga agaagtggtc   120

ggccaacacg ataagtagga aggaggggag gggaggggggg gtactacgac ggatcatggg   180

gccagggggat agagactatg gccttataat atatacacca ggtggtggag ctgcgcgaat   240
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3741

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gttgcctaat atggtacgag taagcgtggt tgggggtagg ttggcgccta aggtttacgt    300

aaaccaagaa acaacaggac taacgagaac agttaagcta ctaaagctta gaggtagatt    360

accctataag tgatcattac tattcaagcc aagaaatgta aaagtggcgt tagaaacagt    420

gagcgtctaa gggaaaaatt gtgtaccgag aaatgtggtg ccagtgggtt aacttggacc    480

agtgtgagca aggctttagc taggtataga gaagaagcgt ggcctgccaa gggtcgactt    540

agtgaatagc ta                                                        552
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ccaaagcgaa accctaaccc taacggagag atggcggagc acttggcatc gatattcggg     60

acggagaagg acagggtgaa ctgtccgttc tacttcaaga tcggcgcgtg caggcacggc    120

gaccggtgct cccggcttca cacgaagccc acaattagcc caacgttggt tctgtcgaac    180

atgtaccaga ggcccgacat gaacatgaac atcatcacca accccgatca gccccagccc    240

caatctctcg accccgataa ggtccaggat cacttcgacg acttctacga agatctcttt    300

gaggagctta gcaagtacgg ccccattcag agcttgaata tttgcgacaa cctcgccgat    360

catatggttg gaaatgtgta cgttcagttt agggaggaag accatgcagc caacgccctc   420

atgaatctga ctgggaagtt ttattcaggt cgacccatca ttggtgattt ctctcctgtt    480

acggattttc gagaagctac ttgtaggcag tatgagggaa atgtatgc                 528
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catgccagga atttgccgct ctacatcgtt gcagtaccgc cttcttgggg gggggggggg     60

gggggggggg gggggggggg gggggggggg gggggggggg gagtaaagcc agtctggtag    120
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ttgtctaata accgaaatgt cttctggggg ttaggggggtg gttgtttggc cacaatagga   180

taaggcaact acaaaaggaa aataggcagc tgagccagcg dataacccgt gagtatgaaa   240

ggcataaggt taaaggcaag aaaaataagc ccaatgcaag ttagggaatg taccctaaat   300

cataaaccta taaattacag gatggcttat gtggcagact aaaggggccc ttaaattgta   360

atccgccgcc cctgagagtg cagcaggatt acaggtatgc ttaggggcgc taatatgtgc   420

cgtggcagaa gtagtaggcc gggggccagg ccgttgccga tgaagggttt tggccgttgg   480

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<210>   8330
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092c12a1

<400>   8330

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ccacactaca taacatggtt ttgtccacca ccccttcattc ttagcagtca gtgcaagtct   180

caatgtataa accgtgggag atattgtgct ccggatccgg agaaggattt tggagaagga   240

tatgaaggga aggatgtggt gtatgaaaat ttgaggcagt gtgtgtgttca tagagttgcc   300

aatgagagca accgttcatg ggtctggtgg gattatgtga cagatttcca tgtcagatgt   360

tctatgaagg agaaaagata cagcaaggat tgtgctgagg aagtcatgaa atcattagat   420

ctgcctatgg ataaaattaa gaaatgcatg ggtgatcctg aagcagatgt ggagaatgaa   480

agtgctaaga atgagcaaca ngtccagatc ggtagaggat ctcgccgtga tgtca   535

<210>   8331
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092c12d1

<400>   8331

3743

ttgagcttgg ccgagtagag ttgtcccatg tgtagcatta gcacctgctt gtctttgggg   60

gggggggggg ggcttaaagg ggccgagtaa gcgtcgtaga gctgcgatgt taatagtata   120

tccagttgga ggtgtaagtg aaccgcgata gcgatagtgt aaggtgtaaa aatgtgaggg   180

ataaatgcgc caaaagacaa ggaggttggc gacaaaaggg tgcggagcga ggctaagcgg   240

tatagaagga gttgatacga aaagatgcag tggttggtct gcgtaaagcc aggtaaagtt   300

agagacttac ggtgagggag aagttggtgt gtaacgccag gagctacgct aatcccggtt   360

gggcatgagg gggactgtag gagcgagcgt ggatatcctc ttggcggcgt cgaaacctgc   420

actggtacta gcaatgatag gaggggctgc cgttacgcct agcgaggcgc atagcagact   480

tagcagtgta cacgttagcg aacattccac ttgagagggc gacaatatcg aatt   534

<210>   8332
<211>   515
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220092d01a1

<400>   8332

ctagtttctt aatttatcac tccgctcctt ccctccacct atttcctccc ttgttcgctt   60

tccacccatc aaacaaaaac agagtcccca ccccctcctc ttaatttcat tcatcacaac   120

acactagcta gtgtgtgttt gtgtatcatt ctcataaaca cacatatagt aaatccatca   180

caccctactt tgagttccca ccttggtttt ggatttaagc tatggtgtaa ggttactttg   240

cgtgataaaa atttctgggt gtttacctcc tagattaact tgatttccta atcaacgaag   300

acgtactgat ataacaagaa catgtgcgaa tcanaatcag agcagatgca tgatacggaa   360

aagcagacag aattaggtgg gttattaaca ngacgaggtt cgactaggac aataatgtgg   420

gatgtgatag gagaagcgaa atccctgtgg gaggtggcat tcccgacagc actcactggt   480

ctaattttct acgcgcgttc catggtctcc atgct   515

<210>   8333
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmfl02220092d01d1

<400>   8333

cacaaattcc ctttaataat aagtaagaat tattacaaaa gaaaaagaat attacaccgt   60

caatcaacaa tcatcataat tttttttttt atttcatcaa gagtagttgt tgttgtccaa   120

agtggcaatc aacggttgtt tgtggccgtc ggatccttca tcaagggccg taagtaactg   180

ggcccgacag gcctggtact cccaatcggt ggtcccaatc atatacaaca tgaggcccgc   240

acaacaaacc tgggccgaca ataggcccag ccagagccca cagaacccaa cctcgagcca   300

gaacgcaagc ccaactgcca cgggcatccc caccagataa aacgctccca ggttcacatt   360

cgccgncacg ttcggcctcg ccgtccccct caccaccccg caccccaccg tctgcgggca   420

gtttcccagc tcgcacagcc ccagaatcgg taagcgccgc cccgtcagcc gcagaatccc   480

c   481

<210>   8334
<211>   551
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092d02d1

<400>   8334

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acctcctcca ttttgctgcc ctcagcatca gcttcagcct cctcctccag tggggggcata   180

tcagcatcag cttcagctgc atcctcgtcg atgctcagtc caagcttcaa cattctgagg   240

atcctgtttc caaaagtgtt gggttcctca aggctgacac cagaagtgag aacagcagtc   300

tcgaacagca actgaacaag gtccttcacg gatttgtcgc tcttgtcagc atccgcacgc   360

tttctgagct cctccataat tgggctctca gggttgacct ccattgtctt cttgcttgac   420

atgtatcctg ccatgctgtt gacccttagg gcttgagctt tcatgatcct ttccatgttt   480

gcagtccaac cgtattctcc agtcaccaga cagcttggtg aatcaacaac acggtcccag   540

actacaacct t   551

<210>   8335

3745

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<211>      532
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092d03d1

<400>      8335

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gtctgggtga cagtgaccaa tgggttcaac atcctactac gaaagacaaa gttaacatac   120

aaataaatcg agagcccgtc atatattata gtatgaagaa taaataact gcatctaacg   180

cacatacaac aacaacacag tttcagactc tttgtaaatc agctgaaagg gcgtcccgga   240

tctcagccta agggctaaac gaatggcaat cgagctgaag ctttctgtgt aagctctcca   300

gtaccaagct caaccacaag ccataactgc atgaatgcaa cggtattgac ttttggatcc   360

atatcttcgg tgctgccgga aaatgcctac ctggtatcat actgggcatg tccctgccag   420

gctagatttt gcgaaccaaa gtggcattag atttgcttgt gtcaatccat cgcgtgatca   480

ctcaagcctt tatgaagaat catcttccat tgtccacaca aaaccaggca tg            532


<210>      8336
<211>      431
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092d04d1

<400>      8336

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gacaaagtaa cataacagtg caaacttcta atcaataatc ttctccttca tcaccatctt   180

cttcagttgc ctctgcaccg acttcctcat aatctttctc cagggcagca agatcttcac   240

gagcctcaga gaactctccc tcttccatac cctcaccaac ataccaatga acaaaagccc   300

tcttggcata catgaggtca aatctgtggt ctatgcgaga gaagacctca acaacactgg   360

tgggatcgga gatcatgcac acaggcctct gaaccottgc atgatcaccg ccaggaacaa   420

caagttgagg c                                                         431


<210>      8337
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<211>   343
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092d05d1

<400>   8337

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gaatgaaaga cccccccatt atttttaagg tccagaacga cccccccgat aaaaaaaaat   120

agaaaaaaac ccccgtatac cccccggaaa acccccccatt taaacggaaa agacccctta   180

ccaaagcccc cccctaaac ccatgggccc acaagggggc ccccaaaacg gaaaaaattt   240

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tctgtactgg gaacgttggc cccaaaaaaa ggggccaccc ttt   343

<210>   8338
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092d06d1

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aatgcaactg taatgacttt tacaacatct ttaattcaag tgcgtaggtg actcaccagc   120

actcaaacat atactaaagt ggacatatgt gatacaacta tataaaccac tgctcccgaa   180

cttactattt taactaagag tttaacattg tttccctcta atagtaactg agtccattta   240

cttttaaatta ttatgcagtt tttaatcccc cctctcctt tcctctcttc gaactataca   300

tgatttcctt acacggtgcc gacacccatt tatcatggga caagaatatc acctgttgca   360

gttataacat tacatgggga ttcaacgaaa agtaccttgc tcttcacaaa aaccagtgct   420

atgatttagg gaatctgaat atatccatga gaccaagcct cttcccatat tctataacta   480

accaagccac aaaagataag tatgccaaaa gataacaagc gcgcctgatg agaacagcat   540

tgac   544

<210>   8339
<211>   543
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220092d07d1

<400>   8339

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tttgcaaata ctagcaacca tctaagccgg acattttaa ctgctcagcc cacagtaaga   120

aaattctgta tgatggataa gataagccaa cggctacacc atgacaaaca ttactactgt   180

caaactaaat aaacgacact aaccgaaatc aaatatcatt ctcaataatc aataatgtgt   240

gagatcaaat caaatggctt cacttatcga ggaggggaag ggggaggcgg tggcaggttt   300

gattttgcaa atcccaccca tgcaacaatg ccgactgcca gaattatcca tccaaatatg   360

tcatacttca gatcactgct cttcttttc ttctgagtct gaaaaataat caaacaaaat   420

aggtaatgaa tgagcacaca agtacgaaga tcagagtcta tctatctcca atgtgatttt   480

tgtagcacaa ggagtgctta cccaaaatgc agatatcata ataactagc agtccaagag   540

cca   543

<210>   8340
<211>   160
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092d08d1

<400>   8340

agtggccgga gaatttgccc tgctacacgt gtgcactagc accttcttgt cgttgggggg   60

ggggaaatcg gacatagtaa tagaaagttg gcataaacgg ctggcttaca tgaccgggct   120

gataatagct aagaggacca accagctatc aacgatttcc   160

<210>   8341
<211>   583
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092d09d1

<400>   8341

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gcagtggcac tgaggaatta agtggcggat aacgttagct gtgaaaaagg tagaggcgac   120

taaggattgg gcgcaacaag tacaccggaa aagcacgcac ccctagctta ttgggcggcc   180

taagttggcg aggagaccta gaacgatgaa gaaaaccagc gagtacgcgg taattattgg   240

gttgtaaagg ccagccttga atggtgctac cctgaaagca gttgtgttta atattgtcac   300

cctgggcagg gttgtgcaca gcctggagtt caccctgcga gatgggagtg cgcacttggc   360

catggcggaa tgtggcccag accgggccac gccagggtag tattgggcca tgctaaatat   420

cgtgaattgt attttcctgg tcacgaagga ggttagtgaa aattgtgtta gtagtgctaa   480

accaactgcg ttgctgtaac gttttggtac gtatgaacgg caagccgaaa ctgacgatgg   540

tggtagaggt gctaatagtg aaagtggcaa gcgcgctgtt ggg   583

<210>   8342
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092d10d1

<400>   8342

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cggctaaatg gctgataggc ctaacgcaaa gggtgggtga ggcagagttt ataatgggaa   180

ttccagacaa acgaaaagtt gttagggagg taaagctaaa acggctaaat ggctgatagg   240

cctaacccaa agggtgggtg aggcagagtg agacgggggg ccacctggcc tggcccaacc   300

ccagcggtga gcaggacggg tacggatgtt tctacgttcg tgggaattaa ggtggtgaac   360

ttgggtggta cgtgggtgct cctactgtgc tacgtaggtg ttcgtaactt gttaaagcaa   420

aggtgaacag gctgcccata attatagctg gggttgccca ggatgctaat tttagctggc   480

ggactgactt actcaataat agtaaaagta gtcgcactcg tgaacgtgcc cact   534

<210>   .   8343
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092d11a1

3749

<400> 8343

ccgcctctgg tctcttctct tctcgcaagc ggagccccaa tttctccttc acgaacccta 60

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aatctcttcg ttcgcctcgc acatcaaggt gaggggattg aaattgaatc ctcagaaggc 180

cgcttccggc gggagggggtc ggatggctgg caaccattgg ggtcaccgga agggcagggt 240

ctaaacccct gggtatatgg caaagtgcca tcggctatga tccttatgca cccaataggg 300

aagacaggaa ggattcttct caaaatctgc caaatgcaga gcctgatgct gagaatgcat 360

atgctagctt ccaggggctt ctacagcttg ctaagatcac aaatgctgan ggggatgtat 420

c 421

<210> 8344
<211> 569
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220092d11d1

<400> 8344

tgccagcaat ttgccgctgt acatgtgtag cagtaccgcc tgcttggggg gggggggggg 60

gggggggggg gctaaaataa ttacttagca atggaagtgt aaatcacacg aaaacgtaag 120

agacgtacac gagggcaata gttaaatgtg caaagtaact aaactaaccg ataagggaaa 180

taactagagg agaccgcgag cagatagcaa aagggacaaa tagtaccacc tagaaaaggc 240

atgatcctat gaagtaggta gtagttttag ccgcatcctg ttggtgtggg ttgcagggag 300

gcatagtttg atttggttgg caagtaggag agttatggca agtacgcgta cagcagcagc 360

acctttgtgg cggtgggtct ggcgcttggt gaagcaaagt ggtacaccaa gtaccagtgc 420

agacatcctg gtgttggtgt tgtggtgttg gttgatgtgg gtgagcttgc tctggagatg 480

tcgtcgtggt agtgcaacaa ggcgtttgtg gttgttgccc ggtttcttgg tgtggttggt 540

gctggtgggt ggtattgcaa gtagttcaa 569

<210> 8345
<211> 503
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220092d12a1

<400>   8345

aaacaagata aaaaaatcat gttagatatg acttctagat agttattata tattctaatt   60

agtaatttgt gattggatca cgacataaaa attctttaac tgtcaatgca aacattattt   120

actctttttg taattagaat agaaaacttt caaatgaacc cctgaacaaa gggatgtaac   180

atcctgaaat taattgaatg tgaaaagttg gagatgagct tattatcgtt taagtggctt   240

atatgctgct gctagtatgg tgacggacta agcacaatca tgtaactagt tactaactat   300

tggacccatc taactaaccc aatatgtggt agtaataatg aggctatgaa tttgaaattg   360

ttattgaatt gattgtatat ggtgtggact tgcaagttgc atcacaacca aggagcttgg   420

aactgttatg cgttcattgg ggcaaaaccc aactgaggca gagcttccag acatgatcca   480

tgaagtggat gctgatggga atg   .503

<210>   8346
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092d12d1

<400>   8346

tgaccttgcc ggaggatttg ccgtgctaca tgtgtaggag tgccgcctgc ttggggggggg   60

ggggggggggg gtatgaaaac attaaccaag aaggacggtg atgtaggtat agttagagtg   120

gaccacaagt tagagtatat aagcctgggg taacgaaatg aacagctagc gtaaagagta   180

gtataagagg tagtagtggg aaaaaaagca ccacgcctac aaacgcaaca cataggaata   240

ggataatttg ggggggccag aaaaggataa cataaatgaa caaccggtac ggttatgata   300

cttgacgact accatggctt atgaaggcat aggggaaccg gccaggtaaa aattagtaaa   360

gaaaaagcga ccaacaacaa accgtaacca tgatgatagt atgcggagat tatttaaatt   420

tggccttggt tgttgatttt ggggggggcgt cgggttgggg aagtaatagg gtggtag   477

<210>   8347
<211>   587
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220092e01a1

<400>   8347

ttagaattt gtattttt tataattat ttaattattt tctccctaca aaatcttgat   60

ctctctgctg ttgtggagtg gtgttgtgtt aatctcattc acacattcac agttatactc   120

tctctctctt tgtcgcttgg atcactgatc tcatctcaat tttcagatat gtcgacatct   180

gataagccag aagtggtgga aaggggtagc aaggatgaaa aacacaagga agatgatcaa   240

gaggagggga agggtggatt cattgagaag gtgaaggatt tcattcatga cattggtgag   300

aagattgagg aagctattgg gtttgggaag ccaactgctg acgttactgc gattcacatt   360

ccatcgatta atcttcacaa ggcagatctt gttgttgatg tgctcatcaa gaacccgaat   420

ccggtgccaa tccctctgat tgacatagat tacttggttg acagtgatga aaggaagcta   480

gtttctggat tgataccaga tgcgggtacc atcngtgcac atggagagca gactgtcaaa   540

attcctgtca ctttgatnta tgatgaccat caagcaacat atgctga   587

<210>   8348
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092e01d1

<400>   8348

caatagaact gtttgattta taccagcagg ctaatagaaa ccacacacat gacacaaccc   60

tcaaaagaag ccatagtcaa ttctcaattc cggaatgaca aagcaaaacc ccaccttta   120

gataaaataa ataaaaccgg ccacacacaa agttccaagg caaatgatct tttatctcgc   180

attaaaacag cactagattg gcatgatcat caattaagtc caacaagaaa gtttcaagag   240

aaaacacaag ccggactgca gcagcatata ttcactaaaa tactgatact agcacataat   300

ttgaatggct atttgaactc tcaagatcca taaaaattgc ccatcagaac tcagaaagta   360

atgcctgctt ttattaatag ctagtaatag cctgctacaa ttcttcaatc ctcatcatcg   420

tcatcgtcat cataatcacg atcttccttc tttt   454

<210>   8349

<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092e02d1

<400> 8349

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aaaagaaaac aaaaatacat gttaaacaaa ccatcaagta ctccaaatta caaatagcta   60

attaaccaac aaaaagtaca aacacaaatt agtatgccag aagatctaac tgaaaatgga  120

atgcttaggt cctactctag cacaatctcc aaaatttaac taagaaatag attttttgta  180

ttgtaagttt cgtattattg cccgagtaat tcagtcatac aacatgacca catgggaaca  240

attaaggcaa cgccaaggga tgaggtgaaa gcagttcagg tggcacaaga gtaaagaaca  300

taagaaaaaa tcttacacaa cagcatggga gtttttgaag gcaacaaatt agctccaagg  360

gcccttcttt cctgatgatt catcttgatc acctatacac tgcagagatt atgcaatggt  420

tgtgtgctcg aacttattat caacaatttt ggctttgttg gcaaacctaa tttatgctcg  480

caaacagcca gcttgtgata gactcgtcaa catctcaaat ggtatacaga gtccatgcag  540

caacactggt tta                                                      553
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<210> 8350
<211> 420
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092e04d1

<400> 8350

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cattgtatta ataatgacat atatcataat tattttagtt tcgttcaata tcaccgaagc  120

ctaggacaaa tatgcggatt cctttggcat ttaggttaca aagcgagtat cccttgatta  180

gttcaattct tggtttggat cagtccactt cgttaaatgc aattttgctc tttcagcctc  240

tttgtcccag tcgcatcgaa ttgtaatgag gctcaatatt aatgtctgag ttgctgtgcc  300

accaaaaatc atccctgccc agattcccat aactccttga ttgaagaccc aacccatcaa  360

aattccaaga ggcaccccaa taatatagta gcaacccaaa tttatgtatg caacatatga  420
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<210> 8351

<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092e05d1

<400>   8351

aggtacata gaaagcacca tattttatta gaataatggc catgtacatg tacatgtacc   60

tgtttaaaaa taattatgat tacataaaaa tcagtattat atatcaaa acattttca   120

gggattaaat gatggggttg aatcagtttc aggaggataa aatatctgat acattttcct   180

atcgatgaag ttcctgtatg gatcctcctc cctcttcttg atcaagtaat ttaaattgtg   240

ttcaacttct gacttaatct gcaggtacat ttggttggca ctttctctgt cttttagcat   300

cttatccatg cctttgttc ttatgggctt cccaaataga aagtaaaagc gacctggtat   360

ctttggtaga agcaccggaa aagagagatt ttggcttgcc accttgccac ttggttcatc   420

tctaaactta actgagtcac ggttcatatt tcctatttga tcgttgacta tggggat   477

<210>   8352
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092e06d1

<400>   8352

ataattacca acacatgtca tccctcatat ttcttatata agcaacacac gttaacatca   60

ctgtttgtt gtgagcaagg tttcagctcc caacaaaaaa acacaaggac taatccgtga   120

aaataagatc tatttagggg cttcactgag tttttgcatg attcctattc acagttttgc   180

acacacttc tttggtacac aaaccatctt aaaggccttc aacttctcta cttccaatcc   240

aaccttcaag ctgtagcaga ccacccttgc attgatcacc atttcaccat gatttggcaa   300

cagcaccaac tgacacttgt tcaccacttc ctctggcaaa gaccctgatc cacaacgggt   360

aaagaagcac cccacagaag ggtgctccaa aatgaactcc tgattaggaa cacatccacc   420

acacacaacc cctcttcctt caactctctc cttaaaccct agtggaaaag ctgattccac   480

acactcaaaa tccttagggg gtttaagtgc ttgccaaaat ggcatacctg   530

<210>   8353

<211>   564
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092e08d1

<400>   8353

tgccgggaat ttgccgctct acacgtgtag cagtagcgcc tgcttggggg ggggggggg   60

caaaaactga gtattgagtc gagagagcga gtgagagtga gagaaagcgt agagggcata   120

ggcaaaggga aaccatacag acaaagagaa ccgtaacaac cacggaaaaa aaaacaaaaa   180

caaaccagga aagagaaccg taacaaccac gaaaaacaaa aaacaaaaac aaaccgggga   240

aatccagcgg cagagagcgc atagtacatg atgctactgt ggttcgggaa cggacacact   300

gcaaacttat ggccgggtaa agtggcagta ttagttgtag taggggatg tggctaacac   360

tacgactaac tagataagag aactgcaaga actttacaca ggctgttcag attaggctgc   420

agtaccatag aaaccgtaaa gcccgccagc acactagagc ggcgttaata tctattagga   480

accaacggac ttacacacac ttacaagcct agcgagggta tatgtgtgac ggggagagat   540

tggcttagaa ggcgaacaac ccac   564

<210>   8354
<211>   573
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092e09d1

<400>   8354

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agtgggactg agtaacagcg gcgtaaataa gagattagtg ctaggcgtt aaagtgtaag   180

attaagacta ctaagacctg taaaagtacc ggggggaagg gtaaacgacg tacccgggcc   240

aagcgttgca cctggttaaa ggtttggaga actaccaggg gtaaggacgc ccctagctta   300

ggggttgggc gaactgccag gttgtggtag gccttgtggt tatgtattat aattccccct   360

gctggtatag gggcccggtg taagtgggcc cctggtttag gtattagttg ttgtagtcgt   420

ttaagtggtg ccggggcggc ttgtgccagt agtgagtgtt gtaacggtag gcgtttagtt   480

3755

ggtaacgggt gtactggtgg tagtaataag ggttaacccg ctaggtgtag tttacgtagt 540

gcctgggatg ctatgncacg tgccaagggg tgt   573

<210>   8355
<211>   297
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092e11a1

<400>   8355

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gtcgaattcg cataaatgta ctataatatt cgtaatattg tagtagggtg atacaagcan 120

agttnaagta taattccagg gaggtcgtaa tctgaatggt gagccctttt ttttttttt 180

ttatcaggct atttacttta ttattaacgt catcaaacac gatataccct acattagaac 240

tgttctaatg tcaaactacc attgaaaatg ctgaccaaag tagccccttg agaaaag   297

<210>   8356
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092e11d1

<400>   8356

tgccgggaag ttgcgtggta catcgttgca gtgccgcctg cttggggggg ggggggggac   60

gaacgcaggc gtagaaaagg gggggagtag cgatggtcat aaaactgcag gaggtattgg 120

ttggagggtt tggcgatcgc gggagtacgg ctcgtgcgat agtagcacaa atgccgaaag 180

cggttggcga ggttagccgc aaggtattgg gctttgcgcg taggcactca acactgcgac 240

acgagttaaa tagaggcgga acacccatag cactacgaag aatacaagta gtgttggttg 300

cagtagggtt aataagtata ttggggtgtg gcggcagcgt attactaata ctgtttgcaa 360

aggtgcggcc gatgggtact gtaataacta gaataccggt gaagagaatt ccgtgccaac 420

tgctagaata tgcgtgaaaa ctagacagac aacttaatgg aaatctaacg gtatgccaag 480

taatactagc cctactatta gtgcgtaaca tagatgtca   519

3756

<210> 8357
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092e12d1

<400> 8357

ttgaccttga ccgaaccaag tttgaccgtg gtaacacgtg taggagtgcc gcctgcttgg   60

ggggggggggg gggggggggg gggggggggc caataaccct ctagaaggga ggaaacttat   120

caaacacaaa ataatagacg caacgtgtgg atagcatggc ggcatatata ctgcaaataa   180

tagaaacgca actgacgctt ttgagggcaa tctagtggag gatagagaca gacagaccac   240

taactgacag gcggcaaaac gcaaacaatg atgc   274

<210> 8358
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092f01a1

<400> 8358

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cggcgatggt tgcattacta ccaaggaact tgggactgtt atgaggtcac ttggtcaaaa   180

cccaactgag gcagaactgc aggatatgat aaacgaggtt gatgctgatg caacggaac   240

catcgatttc ccagagttcc tcaacctgat ggctcgcaag atgaaagaca ccgactcaga   300

ggaggagctt aaggaggctt tccgtgtgtt tgacaaggat cagaatggtt tcatctctgc   360

agctgagctc cgccatgtca tgacaaatct tggggagaag ctgacggacg aggaggtgga   420

tgagatgatc cgtgaggccg atgttgacgg tgatggacag atcaactatg aggagtttgt   480

caaagtcatg atggccaagt gaggaccatt cca   513

<210> 8359
<211> 463
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmf102220092f01d1

<400>   8359

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agggtcataa taataataat aataaccaaa agaagatgaa aacggagagt aacaaagcat    60

ggggagacac agctaccgaa gcttctaaaa acaagggaca gagccaacaa gttggataac   120

tagggagcag agaagtagta gcaattaaag caaacaagaa aaatagacac tcaactaaca   180

aaacctaata accccaaatc aagatggacc taatgggaat agaattctca tcaaaactta   240

tctgccctgt ccctcttctc tttatatgct tttcaaattt aggttatggt tggaatgggc   300

ctcacttggc catcatgact ttgacaaact cctcataggt gatctgtcca tcaccgtgaa   360

cattgggctc acggatcatt ttatccacct tcttgtccgt gagcttcttc ccaagatttg   420

tcatgacatg gcggagctca gctgcagaga tgaaaccatt ctg                     463
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<210>   8360
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092f02d1

<400>   8360

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ttagatgttg aaatacaagt aattccaatg aaaaacagac tcttctccag tgatagttcc   120

tttgtatctt agaaggagca ttattcaaaa ttgaagctac acttctatag caaaacatg    180

ggaacctact aacaaggaca gtagacaaaa agcaatggtg tctaatttag gcatgagtaa   240

gccaatgcct tctcctcaga aagctcttct gcagtcaagt ccaacttctt ccttgagaac   300

tcatcaatgg aaagtccttg aactattgcc cattccccat tggcacaagt gacggggaat   360

gaatatataa gtccagctgg aacattgtag gaaccatcag aatatactcc cattgatacc   420

caagtgccct gaggagttcc aagaacccag tctctaatat ggtcacaagc agcactagca   480

gctgatagtg cacttgaaag ctttctagct tt                                 512
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<210>   8361
<211>   368
<212>   DNA
<213>   Glycine max

3758

<223>   Clone ID: jC-gmfl02220092f03d1

<400>   8361

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gctggggggcc ctaaatgggg aggactaccc atggctgctg gctgtggagg agtgtgggcc   180

atgccgggga actgcatgtg aaaagactga gctgcagctg cattaaagga agcatgacct   240

gtgtgtgatg gcatgtaagc tgcatgaggg gtttgccctg gcatgttata gtatggagta   300

gattgcatgc caagaaggtc ccttggattc tgtgaccaga tttctgatgt ctcaacctga   360

ggatttgg   368

<210>   8362
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f04d1

<400>   8362

ttatattttg agcgaactca ctttaaacag tggcaaagag tttagggcca cgaggaaagg   60

tctcgttgtg aaaatctttt catgatatcc taaatgttga cattttgaga gcttcgttag   120

attacacact aagtgataac gtacaaggtt tgattattgc gaagtgcatc tcagaaattt   180

taccactaaa tgcatatgat cagattcgaa cttctatgcc ttacttgaac aaatgctctt   240

ttaccgattg aataggcacc tttttactgt gaaaaatgcc atcagcaagt gctgctgatg   300

catttgtttt gtcgaacacc tcagagaagc gttcaggaac accagcaccg atacatgcga   360

gtacagggat acttacagca tctgatatca acttaattaa atctacatcg aatcctttcc   420

cttgaccgtc gcaatcaatg caattaagtg gtatttca   458

<210>   8363
<211>   356
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f05d1

<400>   8363

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gcatcgaaca atatattaaa attaaactaa taaatgtaca ttaatagaag aaaaaaggca    60

gaatgaacat ctttgtacaa gttcgaatcc acaggggatc caaacacttt caattgcttc   120

tgttctgata catctttcac tacacatcat tgacctgtat atcagatttc taaaataaca   180

tcactaagca caattttcac tgcctattcg tcaacgtctt cctcaaccct ttgataattt   240

tctgaaaacc aaatcacggt cataactgat agtgccagtg gcacaacaat aactaacact   300

tgtgcaaacg cgtgcatatg gtcaatctgg cccaagtgca agtagacctt gtaaaa       356


<210>      8364
<211>      286
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092f06d1

<400>      8364

cccaaaatgg tcattttatt aaataagggg caacttcagg ttacacaacc atatggttct    60

tcccataact ttcatatgaa cctatactaa agcctacata attaagcatg ctacacaagc   120

gggaccatga ccttagtttc cccctttta atatttattt tttaccccag actttattca   180

agagcccttg tacaagagcc ttaaaaaagc aatttttagc cattcccttt tcgggtcacg   240

ggggccttta ttctaacact ggtaacataa acattatgcc ccaacc                  286


<210>      8365
<211>      262
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220092f07d1

<400>      8365

ttttatttta taattttttt ttttatttat tattcttgtg atgagttatt ggttttggtt    60

tgttttgtgt ttttgtttat tttttgata atttgaagga aagcacaaca caagaaaaca   120

gaaaaacgaa gacagaaaaa agggagaaaa acaggggaag gcacagagag gacgcaccga   180

aaagacagaa caaagcacgg ggacagaaaa aggggggagaa aaaagacaaa ggagggaaaa   240

ggccacaaaa gggacaaagg ga                                             262


<210>      8366
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<211>   192
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f08d1

<400>   8366

cgacgggcga tttgacgctg gctacatcgt gtagcagtag tacctgcttg gggtggggg   60

gggggggggg ggggaaaaaa gtacccacgt gtgcccggag gaaggctgtc gtattagaaa   120

gaaaatggca acggtagagc caaacgatag agcgtactgt attcagggtt ggttggttgg   180

gcgcatgcat gg   192

<210>   8367
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f09d1

<400>   8367

tgaccaagca attgtgccgt tctagcatgt gtgtagtagc accttcttgg ggggggggg   60

gggggggggg gggggggggg gacaatttaa aaggggtgga atggtcgact aagaatacta   120

tatcacagtg ttattagtag tagtaagtaa tttaaatgtc tgccactaaa aaaaacaaac   180

aaggatagga aacaaaaaat taacaaaaag cacttagttg accatggata gggacaaata   240

acaaataagt agcataataa tgccaccaat aaaccgcata attgtaatgc ccgcttgggg   300

taaatgtatg ccatgtcaac tagtaatcca tcgcgttcat catttgcaac cacaagtact   360

acttttactt tccataggg gtgttcctgg ccgtccgctt ccacttgtgc ttccgcaaat   420

aattccgctt cggctcttca aaactggtag gccaac   456

<210>   8368
<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f10d1

<400>   8368

ttgagcgggc gagtttggcc ctggtaagat gtgtaggagt gccgcctgct tggggggggg   60

ggggggggtac ggcaaatgaa ggcagggaga agaggttcgt atacggattc ggtagcagaa   120

aacgagaaca aaagagatga aagctagctg accagatggt agcacacgac aagaggtgag   180

agaagaagct atactgttca gcaggagggg ataggcactc gagtgcgctg tcaatcgaga   240

ggatcctgga tgtgagaagc tatataatgt tctgtcactt caaggttcac tggatcgatc   300

tcgctagctc atcgtagact gtggtgagac gcgtattgaa aggtaaggta tgccttcgtc   360

ggggataatc gtcgcatgcc caaaatttgc ctcggattta atggaagtct tggctactat   420

agtttttggg tcttactgcc tcgaagactc aacacctttc tattcagtct ttggtttaat   480

acggctctac ttgcaagcct caagcccatc tctttgcgag tcctctag   528

aatttatttt ctttctgctt ctcatggatc tctcctcact ctcttcatac cgcactgtcg   60

gagtaacacc ttctgatcct cgaaaatcac ttcctcaatg gggtcttcat ttcctctcct   120

acactcacag gctcaaccag attaagaaaa ggtcaagtgg ggtatatgca tcactatccg   180

agagagagag aggagagtat tattcccaga gaccgccaac tccgctacta gacaccgtca   240

actatcctat tcatatgaaa aatctctcta ccaatgagct gaaacaactc gcagatgaac   300

tgcgttctga tgttattttc agtgtttcta gaactggggg ccatttgggc tcaagtcttg   360

gtgtggtgga actcaccgtt gcactccact atgtctttaa tgcccctcag gacaagatac   420

tctgggacgt tggtcaccag tcttacccgc ataagatact caccggtagg agggacaaga   480

tgcataccat gaggcagac   499

3762

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tgaccagcca actttgcgct atagcacgtg tagcactacc acctgcttgg ggggggggggg    60

ggggggggggg ggggggggggg ggggggggggg gggggggggggg ggggccgggg ggggggggggg   120

ggggggggggg ggggggggggg ggggggggggg gtttaaaaaa ccctaaaagg ggttttggga   180

aaaaacccccc ccaatttag cccaatttcc ccagaggttt taaaaaagcg cttacccgca   240

ttacactggg aaaaagggag attttttcccc ccaaaaagcc gtgcttgccc ttaatcccca   300

accccaaaaa gcctttttttt aagggggggga aaaatccct ttggccccttt ttggggccgc   360

cttttaaggc ccccaatttt ccccccccta ggcccaaacc cccaaatttc cctaaaaaaa   420

agcccctatt accccaattt ccccccaaga aattttttcc caaaa               465
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<210>   8371
<211>   549
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092f12a1

<400>   8371

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gcacccttttg gccattcatg atcgtaccta tagcttccaa tattctgatt atcgagagga    60

agatcaggat ggctggtgtt tcttccatgc ttcttttctt tctatttgta atattaatat   120

ctcaagtcag tgcccagtta agcgtaacct gtgattacag caaggtcgga aattacacag   180

caaatagcac ctataacacc aatctgaaca cccttttatc cactctctct tccaacacag   240

aaattaatta tggtttctac aacttctcac atggtcaaag cccagataga gtcaacgcca   300

ttgggctctg caggggagat gtggagccag ataagtgccg cagttgcctc aactatgcca   360

gaagcaatct cacacaagat tgtccaaatc agaaagaggc aattatacat tttgacaatt   420

gcatgttgcg ctactccaac cgcacaatat ttggccaagt ggaaaatttt cctggtctct   480

atatgtggaa cttaaagaat gcaacggacg tggatgagtt caatcaagtg ctcgcaaact   540

taatgagga                                                           549
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<210>   8372
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092f12d1

<400>   8372

ctggcctggc cggcaggttt gccgtgctac acgtgaggag tgccgcctgc ttggggggggg   60

ggggggggta cgggaaataa accagcgcgc cgcgagggaa ataacatagg ctaacagtaa   120

aggatagcac ggtgaatacg gcgaggggcg ggaacactcc aactagacag cagcaagcaa   180

gagtagttgt ggaatgacaa gtgattcact cgagactgta cggaggcaac ttgtaggggt   240

gcaggtggca ctgcagggaa ggagtcaggt atggcagttg cgggtttggc acggcgatgt   300

ttagcatgct agcgtgccaa catggttacg gtgatgcggt agagaaaagc taccgggcct   360

cccaaggccc acatggacac aagactgagg gactagcact agaagccgac ttagccggcc   420

gtgcgttctg aaagggtggc aatataaacg gaattaagag ccagatagtg cagtagggta   480

gggtcgcaag gcggcnggaa gcagccagtg   510

<210>   8373
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092g01d1

<400>   8373

aacaatccat gatattatta aatgagagac aattattcat agtttcgaca taatttatca   60

ggcaaacctg attcaactaa aagaagatta cataatttaa caatggactt tccacaaacc   120

gctaagacat gaatcacatg ctttcataga taacaattag aagataatcg tggcttaatt   180

aaaatctcaa gtggagtagc tttagtcttg cctaatccaa cggtttcagt catatcaata   240

ggttcatttg atggatttaa gaatgaaaaa gaatgaaaaa gactggcaag aatcaaatga   300

accatttgaa ggctaaagga tattccagga cacactcttc taccaccacc aaatggtaat   360

agctcaaaat gatgtcccct aacatcaatg tctttatggg tggttagaaa cctttctggt   420

ttgaactcta atggatttga ccaaacacta agatctgtgt ggatcttcca aatatttgga   480

attagacgag ttccttttttt gaca   504

<210>   8374
<211>   508
<212>   DNA
<213>   Glycine max

3764

<223>   Clone ID: jC-gmfl02220092g02d1

<400>   8374

aaacaagaag cagggaatga cattcattca ggaatctgaa cctgaaatta acatacagta   60

catttcttgc tccaaatgac aatgtattca aaggcataac acaaatggtt atgtaacaat   120

agagacccct ggcttataag aaatcaaacg gccaacggcc aaagcgagaa taaaccgtgc   180

ttacattccc aagcatgaag tgctgagcat tacctatttc caaaaggaga ctagccattc   240

ccgctaccaa gacaatgagt aaccgaagcc tttaagcaat ttgcaaatca attattctca   300

ccaaggatta cctaccggac aaaacttatg cagtttctta gatgcgtttg gtcttttcct   360

ccaacaggat ttgaagtttt accttggtaa tccaaggtaa taatgatata aaactccaat   420

tctgatagga gaacaccacc aaaagcacct atgtaactac ataaaatttc gtccctacct   480

accaagtacc accacacctt catcaaac   508

<210>   8375
<211>   181
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g03d1

<400>   8375

agtccaaact tttttatgt aaaaaaatac ggggaaatat gaatatcaaa atccaatatt   60

gactaatatc atgccttgtt ttatcatata caaattgcgc ctctccctgt tttgcacgac   120

tgcttatcca tttttctaca gaatgccata aggcgctcga cttatgtctt aattacagct   180

g   181

<210>   8376
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g04d1

<400>   8376

gttaaaaagt tcaaacctgc atgattgcat ttattatttt ggtttccatt acacaaacat   60

ggtttattaa tgacaaatac aagtacattc agccactcca aatacataac ttaaacatac   120

acaactgatg aaggaatcag attccttcta tttcacattt atttaaagcc agggacagta 180

cttcagcaac catagagccc ttagatagag atactgttgg gaattcctct gaaagtcaat 240

ccctcctcac tagaaggata gagcaaagtg taaggcattt tagccggccc atagcggttt 300

ctcaatgtct cattattggt cttctctata agcttctttt caatctcttc aagattcttt 360

ccaaacctct taaaggcctc taatggcccg gcatcagaag tccagtagtc accggcatct 420

ctctgcccaa ggtagaactc atcagatgcg tgccttgata aaatttctat aattgtaagg 480

tcaatgaggg tctctt 496

<210>   8377
<211>   399
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g05d1

<400>   8377

ataaaaaaaa ttgcccccct acaaacaata aatctcaatt tcatttggaa agggccccta 60

ggaattgccc cttaggacat ttattcccag gtctatattg gttttaaaaa ttttggttta 120

acgccttgaa attttggaa aaaaaaggcc cccttccctt tttcacctttt tggggacgca 180

taatcccctt taatggccaa aaaatttacc ttattctttg aaaaccttgg gtgcccaaac 240

agttgtccaa gggtcgcttt ctgcaatgac ttcaaaaggg tcataaacct tggggtttga 300

actttcttca cttgggcttg gatcaacagt tttaacagaa gcatttccct ccctctttc 360

tgagctaccc cattttcct ccaagggcca gggccctat 399

<210>   8378
<211>   433
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g06d1

<400>   8378

catcatataa aatatatatg ttctgaaaga acacatacaa gtacacaaaa aaaagggga 60

aattcataaa aaaatacaga aaaaaaaaaa cagaattgag taagagggaa ggaaacatag 120

agaaaatttt agcaatcaga taataagaag ccagtagtag tgcaaaagtc ccttgccaag 180

3766

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agtgttggaa cccctttttag ttaagcaggt accttctccc ccttgagtgg cttcaccact  240

tcccatgtga agtcagggtc atctctgcca aagtgtccat atgcagcagt cttcaagaac  300

ctgccatttc caccctctt gagatcaagg ttgatggaga tcatgccagg cctgaagtca  360

aaactctcct tcacaatgct gaggatttcc ttgtcaggga tcttcccagt gccataagtg  420

tcaacaaaca cac                                                      433
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<210>        8379
<211>        489
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220092g07d1

<400>        8379
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ctttggggggg ggggggggg gtagatggtc aatgaaaaca atgcaaaggg caacacaaaa   60

aacaagaagc actaaagatc taaaagatgt ataatgtatg tataagttgt gagggagacg  120

aactaagata ttgggtacaa atgcaaaaag atcagcttat gaaccagaaa ttatgggagc  180

gtggatctaa agagaagcac ttgcgtcaca agagtaatgc gggggggatgc ctaaaagata  240

tctgacacaa gtaaaaataa aatgtactta aatgacccct atcgcatacg aagagaatga  300

agcaaggtag tatgatataa tcggaatacc ggctagcccc cttagttggg cacggggcta  360

ttgcggatat gcgacgtggc aactagaagg agcaggcggc taagggcact atagttaagt  420

gctatgatct taggctgggc tgttggggtt aagcacacta acgcgacaaa tggcaccgcc  480

aactaagcg                                                          489
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<210>        8380
<211>        182
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220092g08d1

<400>        8380
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cgacgagaat ttggctgagc tactcgtgtg cagtaccacc tgcttgggggg ggggggggg   60

ggggggggggg gggggaagg aaaaggaaaa gggcaatagg ggttagaaag agaggggcac  120

gatacacagc atactgcaac acaagaatgg aaaacaaaaa aagcatatat ggaaccccac  180
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3767

<210>   8381
<211>   141
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g09d1

<400>   8381

tgaccgagca atttgagcgt gagtatcatc gttgcagtac cgcctgcttg gggggggggg   60

gggggggggg gggggggggg gggggggggg ggggggggag actgaaggac tgaaagagtt   120

aggcaatatg cctagtaagt t   141

<210>   8382
<211>   536
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g10a1

<400>   8382

gtttagtgac atttgcagta gtagccagca ggacgaggaa aatgggtagt gtggccccaa   60

ggttccgctt cctcctggcc actcccttcc ctcttctccg ccgccggcac caccaccacc   120

accgcaacct cttcctcctc tccacccatt ccctcccctt atcttccttc tctttctctc   180

tcaaactcaa agcctcccaa tcccaagctt ccgcccctaa cacctctccc tgccctgagt   240

ggtcctcatt cctctcccac atctcctccg ccggctacct cccctccctc cccgaccaag   300

ccttcaccgc cgccgccgaa cgtctctcct actccttcct ccgcgacgcc accgcctgcc   360

tcgccttcgc acgtgaccgt cctaaccttc tcaggttgct ttctacgaga gacattgcgg   420

cgctggttga gcacggctcc cccttctctt ccgcgacgc cgacgactcc gtcaggaaga   480

tgaagacctt tctctccaac ggtgacacca atgtgttgga cactgataga gcaaat   536

<210>   8383
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g10d1

<400> 8383

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actgccggcg atttgccgct actactgtgt ggagtaccgc ctgcttgggg ggggggggggg   60

ggagggggggg gggggggcct atcacagaat tatgggggac tgattggtag gggtgggagg  120

aaggccagtg cactgtatac ggccaacagg ttggtgcgat gctgcacatc gtaagtgttg  180

ggttaagccg cggggttgtg gctggataat aaagtgcggt attttgggct ctagacctag  240

gaggcaacca aaagtggtcg tgccaagtgc atgcactgta caaagagttg gaagtgcgct  300

catctcatcc aattagtgtg tacttgggct tgttgtgcat agcgttaaac cagtgcccgt  360

tggtatgctt cattttggta aatgtgggtt gcgttatgtg ctgtgattat gtgccggtgt  420

acagctgcca ttgccccagc aatgggtgcg taaaggtcca atatcagtgg cgagcaaatg  480

tgcttggcaa gggttatg                                                  498
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<210>   8384
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092g11a1

<400>   8384

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cgcaagcaaa aagaaagaat cccaggcgag gagaaagatg gaggggaagg agcaggatgt   60

gtcgttggga gcgaacaagt tccccgagag acagccgatt gggacggcgg cgcagagcca  120

agacgacggc aaggactacc aggagccggc gccggcgccg ctggttgacc cgacggagtt  180

tacgtcatgg tcgttttaca gagcagggat agcagagttt gtggccactt ttctgtttct  240

ctacatcacc gtcttaaccg ttatgggagt cgccgggggct aagtctaagt gtagtaccgt  300

tgggattcaa ggaatcgctt gggccttcgg tggcatgatc ttcgccctcg tttactgcac  360

cgctggcatc tcagggggac acataaaccc ggcggtgaca tttgggctgt ttttggcgag  420

gaagttgtcg ttgcccaggg cgattttcta catcgtgatg caatgcttgg gtgctatttg  480

t                                                                    481
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<210>   8385
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092g12a1

<400>   8385

tctgtctctg tgtttgcggc tgaggattcc gaacgagcga ccttcttcgt ttctcgcaaa   60

gtttaagtca tcatgggtaa ggaaaagact cacatcaaca ttgtcgtcat tggacatgtc   120

gactctggga agtcaactac cactggtcat ttgatctaca agcttggagg tattgacaag   180

cgtgtgattg agaggttcga gaaggaggct gctgagatga acaagaggtc attcaagtat   240

gcctgggtgc ttgacaagct caaggctgag cgcgaaagag gaattaccat tgatattgct   300

ttgtggaagt ttgaaaccac caagtactac tgcacagtca tcgatgcccc cggacatcgt   360

gactttatca agaacatgat tactggtacc tcccaggctg attgtgctgt ccttatcatt   420

gactccacca ctggtggttt tgaagctggt atttctaagg atggacagac tcgtgagcat   480

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g   541

<210>   8386
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220092g12d1

<400>   8386

taaccttgcc ggccaatttg ccgtgctaca tgtgtggagt gcctcctgct tggggggggg   60

ggggggaaat tagaaatacg ggagaaaatg gtcggagaaa ggaaagataa tggaaaatag   120

tttgtactac taaaccaaag ccatgaaaat ttgagactgc tggcgcaaag gtcaaagagt   180

gtacatgtgg gattagtaaa ataaaaaata cgatgtagta aaataaaata ctaagcaaaa   240

ggcattattc ttcagtaaca attgacgggg caaacggatc ctgatagcaa agtcctacaa   300

atggaaaaag agaatggaaa taaaatattg aacatgtgct aaccagaaaa tgatgagaaa   360

ccacgaatta tcagcagcag tatagcgctg actaaaaggc tttaaagcta agtatggtgg   420

tggcctactc cttggccgca ttggcctgtt ccgccccgtg ggtggtgtaa tatgtggcag   480

c   481

<210> 8387
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220092h01d1

<400> 8387

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aagatgataa cccatgattt ccttagaaca tgcataatat tttacgcaaa gtttcttgga    60

taaggactag ttttgaagta acattgtgat gtgcatatca agctcctgtc ttcttttttc   120

tgccttttgt gttccatatt cnttttcatt gaaactatta caaggtcaaa ttattgcaac   180

caaaataatt tcgatcgggt catcaagtgg agaaaaaaaa aaattactcc catggcacat   240

caccgacaag catccagtcg ccatccctgt cttcataggt cgggacatag tcggagctgt   300

tcagaagatc catcaacttg ctctcattca tgaaatcctt gaagccttgg gattcacaat   360

ttccaatggt gaaggagcta acattttgc ccaaggcatc agagagctca gggtaactct   420

tgtacatctt caagtcaact ttgcggaggt aaggtgctcc atccatgcta actttgacaa   480

agcttgcatt agggctgttc ttctcgcttt ctttccgtcg ctgctctttt gggctgcaaa   540

catgttcttt cggaaaga                                                 558
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<210> 8388
<211> 454
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220092h02d1

<400> 8388

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aaaaaataaa ctacctcttc aactttaaaa attaaaagcc atttctggta gcaacatttt    60

ttgaccattt acatgaacac gcttttattt gctacttaca acctacacaa tcaatcacac   120

aatggatgtc aacccatgat gatgacaaaa tttgacactt atgccatcct ttgaaacaag   180

aacattcttt aaaggcttat gagggggggg ggaggatacc actgatgagc ataaaggtc    240

aaactcttaa gggttatatg aacctcctct taaaattacg aatagttgct cggtatgagc   300

gtactaacaa gctaacccct ataccaacta ctacaaagat gccaagccca attccatcac   360

caactgtaac cccagcatta aaccatgatt gttcaccatc ttccccatct acatatactg   420
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gccttggcca atacatgctg atgtaatcct tttc   454

<210>   8389
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220092h03d1

<400>   8389

acgcagaaga caagaataaa ttgatgtaat tcttagagtt cagcagcata atataacaaa   60

accaccaaaa gagaattgct tacagagaaa atgatcaaat aagacaaact ttcgagtata   120

aaaaacataa cgaaaatcag tatcactcat ttcatgaaag atgccatctg gaaggcattc   180

cctaataccа tcaaagtgct ccagctcaaa taaactaacg ctatcatcat cagtattgtc   240

caaactgcaa ttgatgatga ttaccaacta gcttctttag gagagggatg agaccaatca   300

aagcaatctg aagctggtct gaactattta atggaatact tatttgtccg ggccctcgac   360

tgctcaaatt ggccagggca acaagggttg gattacgtcc tactgggatc tgagaatgca   420

cattgtaccc cacagcaaga tctccat   447

<210>   8390
<211>   542
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092h04d1

<400>   8390

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ccactgccac catcaccacc cctgctgcta gagtgccttc aagctttcac aacttattct   180

caaaacaaaa ttcatcaagc agatccagat atttctgaat gactagagac catacatgcc   240

atgcaattat ctttcctcaa acaacttatt tcttactatg agcttcagta gttaagttaa   300

cattaacaac atactaagaa cggctttcat aacttcaaac taaaaaggtg tagttgggca   360

aggtacttaa caataaccat aagtatggaa tatcagaatc aaataatgca acacgccttt   420

acctgctcaa gatgatatat tataggcaaa gagtggcacc tgcaatacac gacaccaaaa   480

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aatgtcatac ccatcataga cataaatccc aacaaaactc cgcatgaatt gagtccgcaa   180

aattcttgac aaaaacaggg ctctcttatg aatagagacc gctaatggga ttacattagt   240

ttatgggcaa attctacaac atgcagggcc accaggcacg cacagacatg gctctccaat   300

attcaccatt aaggcctaag gggctgcaaa aactcaccat ggactccaga taacc   355

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<213>   Glycine max

<223>   Clone ID: jC-gmf102220092h06d1

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aaaacaacca agttcaagat ggtttaagaa gaataaccaa tatggcaagg gtgcctcccc   180

tattctggag gattatatat caggaaccaa ggctcagaac cgttcaccaa gaacagtact   240

agatggtcta gagggacaat cgaacagcac tgaagatgat acctttagca ctagggtctc   300

aagcaccaca aataccccat catcggattc taagaggcga tccaagataa gaaaaccaca   360

gttcccattc aggttcatag tctcattcct tgcttcacca tttagaagca aaaactttag   420

catatccaaa aatgaaaagc gtcagccttt gttgaagtgc ttcagctatg aacagatttc   480

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tgaaagagta aaaaaacaaa aatagattac gatacagaaa ttgctgatcc ctttaaacct   180

tgtgtaaagc ataggagagg cgaatgctga ccaaggcgcg ttatagagcc attatacatt   240

acattacaat aaataggaac ttatccaaca tatgaagaga taatccatca ctaaagcaac   300

aacgttaggt caagcaaacc cccaaacaga agttagttaa tgaccccgc cccaagtgac   360

acggggtggt gctatgtcac aaaggggggta tggctagtaa tttaacagca cgtaccatct   420

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ggacggctta aagtccttgt ggtgttagcc cactt   515

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<223>   Clone ID: jC-gmfl02220092h08d1

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atgcacctga gttaaactta cacagttaaa aggataaacc taaaagcaga aaagatccaa   180

gtaacaacta agaaaaggtg attagtacag caagtaaaag gtaaaagtac gtgatttcgg   240

cagtaatgtt gctagagcgc ccaaatcacg gctaagaaaa ggtgatgatt agtacagcaa   300

gaaaaagtta aaagtacgtg atgccggcag tactggtgct cgagctacgg gtaaacgctc   360

tggctgtgct ggtggcgatt gttggtgtac ggggttgctt tggtgggcag ggcgacgaga   420

3774

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tagcaggggt aagt   554

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<223>   Clone ID: jC-gmfl02220092h09d1

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gacttgctgt gtaaagaacg tcctaccaat aaacagacac acaggtaatc agtggtaaag   180

gggatagggc gctaaaaggg gggg   204

<210>   8396
<211>   547
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220092h10a1

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cagcctaagg catgggatgg tgccattctt gttgcgccta tgtgtaaaat tgcagatgac   180

atggttccac caaaattcct cactcatatc ctgattggtt tagccaatgt tttaccgaag   240

cataagttag ttccaaacaa ggatttagca gaagcagcat tcagagattt gaagaagagg   300

gaacagactg cttacaatgt tgttgcttac aaggataaac cacgtttgaa gagtgctgta   360

gaaatgctta aaactaccga agaaatagaa cagcgattga agaagtttc tctaccaata   420

ttcatccttc acggngaagc tgacactgtg actgatccat cagtgagcaa agccttgtat   480

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atagactgga gtcaaaaaaa aaagaccggt gggatagaaa ataaccgga gcgtgacgaa     180

tgcatggaac ggctaaataa tacataacgg taaaagggca gatgtgacgg atggggagcc    240

aaataagact aatgggtgag gggttaggct gcaaaataac tgcaagcaag aggtagtggg    300

gcaagttaca cactaaaaag aaggaagtcc gaggaacacc aacaggcagg cgcgcgtaac    360

tgcgctgtag tgacttaaca gagcagcgta ttaaaaatgg cacggaggag ggtagtacct    420

gtatttgtaa caacgctagc agacctagtt ggcgaaactg caactggtgg cgtgcaatac    480

tggctaggtg tagataacct agggctgtat gcagccagta cgtatacgcg tactggtttt    540

cgcaaccagc aagaggccga cacaaatggt gggtaagtct gccgtgaggg tggt          594
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<211>      545
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220092h11a1

<400>      8398

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aataaagaag agtatgcgga atggcaataa ctttgcattc ctttgtcatg atattagtga    180

acttgagcac tccaatcagg ctgatcttcc aagtgtaaca gtaattatgc ccctaaaagg    240

atttggagaa cacaatctcc ataactggaa gactcagtta acatcgcttt atggtggccc    300

tcaagaatat cttttagtag ttgaaagtac agaggatcct gcataccatg ctgtagcaaa    360
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actaataaca gaattagagg attctgttaa agctaggatt ataatagctg gtttatcaac    420

aacttgtagt caaaaaattc acaatcaatt ggttggagtg gaggcaatgc ataaagatag    480

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cgttc                                                                545


<210>      8399
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<212>      DNA
<213>      Glycine max

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<223>      Clone ID: jC-gmf102220092h12a1

<400>      8399

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agaatgtgct gcaagcttct ggctcaacca aggcagattc tccaattctt ggtctcacag    180

tgatgggtga aggtcgcata gctgtgtatg gggactccaa ttgtttggac agcagtcata    240

tggttacgaa ttgtttttgcc cttctgagga aattgctaga ttttactaat gaagacgtta    300

gagatccaga acttttctct gactcaaata aacaagattc tcctttgtat gaacctgaca    360

atcagttgcc atcccgcaga actgatgtaa atttctctgc attttcagct attgtgggga    420

aggaattgat ctgcaggact gacancaggt ttgaaatctg gggaactaag ggctacaatt    480

tgcaagtcac gggaagaaac caga                                           504


<210>      8400
<211>      173
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220092h12d1

<400>      8400

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3777

<210>   8401
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093a02a1

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tctccgcaac aacaacaaca aactctcttg cccttcctgc ctctgtgact gccctcccccc   180

tctctcgctc ttccaacttg ctcctgggct ggcgaatctc tctgtctcag attgtggaag   240

taatgacccg gatctaaagg aggagatgga gaagcagttt gtggaccttc tcagcgagga   300

gttgaagttg caagagtctg ttactgaagc aaacactcgg cacatgaaca taactntggc   360

tgaagcaaaa gagtggcgtc tcagtaccag agagaggcag attaatgcat aactgcaact   420

ganacatgcg agcaggcaaa agaacgtgct caggccatac tcacaaggga gaaaagatga   480

ctc   483

<210>   8402
<211>   424
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093a02d1

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cactgaaagg gatgccagaa agggaagtaa ccttagaaat agcaccggga acccttttacc   180

aaatgcactt cccccagtac atgaagcccc tatctcgagg taggcccagt ggagcaccca   240

aaaagagggc agatgactgg agaacccaga tacggataca tataccaacc cgggaaatgg   300

gaattgaaag ggcccaatgt aactagggga tggccagctg ccagaaaat tatcagtagc   360

aggggggctta gaaacaaggg gaaggataaa attgagctac cggggtgttg ggttaattaa   420

gggc   424

<210>   8403
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<212>   DNA
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<223>   Clone ID: jC-gmf102220093a03a1

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aagattggct ttatggtgag ggtggagatg aaactaaagg tgtatatact gccaagcttg   180

aggaactcaa aaagcatggt gatccaattg atgagcgtta caaagaattc atggagaggg   240

gtactataat cgaacagttt gtctattgta taaatagtta cagacaagtt gcaatgtcga   300

atgatcccag atttgagcac attgacatta acgagaaaca gaaggtcata aatgaatgtg   360

ttgaagctga aaagtggttt aatgagaagc agcagcagca gaactcactt ccaaaatatg   420

ccaaccctgt actcttgtca gctgaaataa gaaagaaagc tgaagctgtc gataggttct   480

gcaagccgat tatggcaaca ccaaggccaa ccaaggcgac tacttcacca ggaccagcaa   540

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<223>   Clone ID: jC-gmf102220093a03d1

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gggggggggg gggggggggg gggggggggg ggggggggga aatcccaaat cactaggata   120

aggtagttag tcctgaataa gtggagagaa tgaagtgaga gggaaattga cacaaacgaa   180

tgtggtgcct taaggttaat tataggcctc ggggggtggt aaaaggtggg cccaaaaaaa   240

gttccaggtt aaacaattat tagaagagga aggaaaatgg atcggattaa ttaattaatt   300

cacacccggt gatggatatt aagtagttaa ccccttatat gtatgggtaa tttattaaaa   360

ggtggggggt tgcccctttaa ggtagatgta aagctggaga tacagaccac acatggcaca   420

cctgatttat aattaaaaag gacct   445

<210>   8405
<211>   587
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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caagcactgc ttccacttcc tccgttaggt tgcaatcttt agactccaag tctcacttca   180

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agtctctccg gagccgtggg attactcaac ttttccccat tcagagagcg gtgttagtac   480

ctgcactaga aggtagagat atcattgcgc gagcgaagac cggtnaccgg aagacgttag   540

cgttcggaat ccaattataa aggcctcact gaagtgagca cgcacct   587

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<223>   Clone ID: jC-gmfl02220093a04d1

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gggggggggg ggggggtttt ttaaaaagac cggcttgggt tttgttccca aaaatggggg   180

ggggttaagg tttggggtta aaaaaaaagt tgaaaggtgg gcccattttc ccaaaaaaaa   240

acccccttt ggcccaagtt ttttaatttt cgcccaccta aggaaaggaa aagcccaat   300

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aaaagtg   367

<210>   8407
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gcagccagta cggttggtgt ggaaacaccg aagaatactg ttccccttct aagaactgcc   180

agagcaactg ctggggaggc ggcggcggtg cggtggcgg cggcggcggt gaaagtgctt   240

ctaatgtccg cgccacatat cattactatg agccagagca acacgggtgg gacttgaacg   300

ccgtgagtgc ttattgctca acttgggacg ctagcaaacc ttactcatgg cgcagtaaat   360

atggctggac cgctttctgt ggtcccgttg gtcctcgtgg ccgtgattct tgtggaaagt   420

gcttgcgggt gacaaataca ggaacaggag caaacacaat tgtgagaatc gtagatcagt   480

gcagcaacgg aaggttggat ttggacgtgg gagtgttcaa tcggatagac acagatggaa   540

gaggatatca acaggggcat ctcatggtaa ctatcagttt   580

<210>   8408
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<223>   Clone ID: jC-gmf102220093a06a1

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aagtcaaagc ctttgatgaa acaaaacttg gtgtgaaagg cctcttcgat tctgggatca   240

caaagatacc acgcatgttc catcatgcca aggtggagga ccacactgaa accatgccaa   300

atgactcaaa cttcagtgtc cccatcatag atctccaaga tatagacaca aactcatccc 360

ttcgtgtgaa agcacttgac aagattcgaa gtgcatgcaa ggagtggggg ttttttccagg 420

tggtgaatca tggtattgct gttgatcttt tggatgagat gatatgtgga atccgtaggt 480

ttcatgaaca agatg 495

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<211>   401
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<223>   Clone ID: jC-gmfl02220093a07a1

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ttccggtgct cccatctgga acaacaactc atcgctgact gttggatcta gaggtccaat 180

tctgctggaa gattaccatc tggtggagaa gcttgcaaac tttgacaggg aacggatccc 240

cgaacgtgtt gtccatgctc gtggagctag cgcaaagggt ttttttgaag tcacgcatga 300

catttctcac ctcacatgtg ccgatttcct ccgagcccct ggagtacaga cccctctcat 360

cgtccgtttg tccactgtta tccacgaacg tggcagccct g 401

<210>   8410
<211>   383
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093a08a1

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tggcattggc tttggagcct ctttgttcgg attgtttgct gccattgctg ctatttatct 180

gttgattttg gatcgtacaa actggaaaac aaatattctc acagcactac tcattccata 240

cattttcttc agcttgcctt cattaatttt cgacgtattc aggggagagc ttggaaaatg 300

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<210>   8411
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093a10a1

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tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg agactggtgc   240

tggaaagcac gtgccacgtg cagtgtttgt agatcttgag cccactgtta ttgatgaggt   300

gagaaccgga acttaccgcc agcttttcca cccagagcag ctcatcagcg caaagaaga   360

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cttggaccgc atcagaaagc   440

<210>   8412
<211>   535
<212>   DNA
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<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093a11a1

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gaggggaaag aaatttgttg tcgagatgaa tataggagcc aatgtgaagg atctagggca   180

ggaattgcaa aagttaacaa atatcaaaga agataccatg cggttcattg ttccacagat   240

ttctgccaga acgtcaaaac ttctggcccc cttttccaag gaacatgcac tttttaagtct   300

gcaggaaact tcaattaccg aggccaggtc aattataatg atgggtgtac caacaaatga   360

ggttgaagag gttttacaaa atgcaaaaac agatttaaga atagctggat ttgaggacga   420

ggagaagaga cagaaacaga gaatttccca tggacctcat atttcattga aacttncaca   480

agggcagtat atantttgtg atttcgtaca cttcacatcc aggaaataga gctga   535

<210>   8413
<211>   516
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093a12a1

<400>   8413

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gcgatcgagc accggcgaaa agcggcgaag atgaaggttt tcgtgaagac tctcaagggc   180

acgcacttcg aaattgaagt gaacccttcg gacacgcttt ctgaagtgaa gaaaaatata   240

gaaactgttc agggtgcaga tgtctatcct gctgcacagc aaatgcttat tcatcaagga   300

aaagttctaa aggatggtac tactttggag gaaaataaag tagctgaaaa tagttttatt   360

gtaattatgt tatcaaagac taagagttca tctggtgaaa gatctactac ttcaactgct   420

ccttcagtta aggcaagtgc aactcctact tcaacctctg tgtctgctgc gcctcaagct   480

cctgcttcaa ctggagcaac gcctacacct gttact   516

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093b01a1

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attggtattg gttcagatgg ctggtgaaga tttccagcag aatagtccga aaaagaaaag   240

gcgcaagttg gaaccagctg gggaagggga gtcttgcaag cgttgtaatt gtaagaaatc   300

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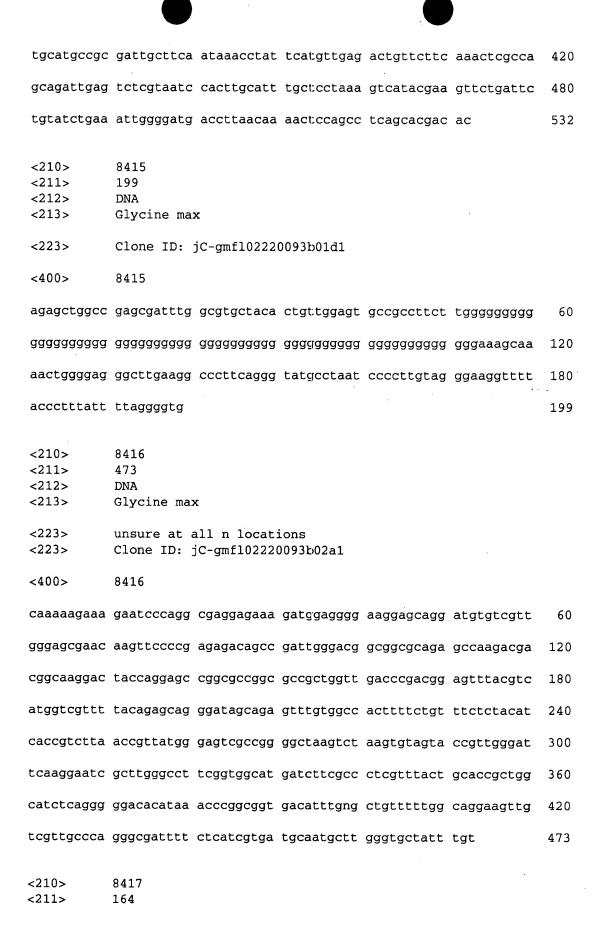tgcatgccgc gattgcttca ataaacctat tcatgttgag actgttcttc aaactcgcca   420

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<210>   8415
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093b01d1

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aactggggag ggcttgaagg cccttcaggg tatgcctaat ccccttgtag ggaaggtttt   180

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<210>   8416
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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cggcaaggac taccaggagc cggcgccggc gccgctggtt gacccgacgg agtttacgtc   180

atggtcgttt tacagagcag ggatagcaga gtttgtggcc acttttctgt ttctctacat   240

caccgtctta accgttatgg gagtcgccgg ggctaagtct aagtgtagta ccgttgggat   300

tcaaggaatc gcttgggcct tcggtggcat gatcttcgcc ctcgtttact gcaccgctgg   360

catctcaggg ggacacataa acccggcggt gacatttgng ctgtttttgg caggaagttg   420

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<210>   8417
<211>   164
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<212>　　　DNA
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<223>　　　Clone ID: jC-gmfl02220093b02d1

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aagggtataa ggatacctcg gtaggatata gcaaggccct tggg　164

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<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220093b03a1

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cccaaaatgt ggacagagaa ctggactggc tggtacactg agtttggagg cgcggtccct　180

cgtagacctg cagaagacat ggcattctca gttgcaagat cgtacagaa tggtggttca　240

tttgttaatt actatatgta ccatggagga actaactttg atcggacatc cagtggcctc　300

ttcattgcca ccagctatga ctatgacggt cctattgatg aatacggact tctaaatgaa　360

ccaaaatggg ggcatcttag agatttgcat aaagcaataa agctatgtga gccagcttta　420

gtgtctgtag atccaacagt gacatggcca ggaaataacc ttgaggtaca tgtgttcaag　480

acttctggtg cttgtgctgc attccttgca aactatgaca ccaaatcttc cgcatcagtt　540

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<210>　　　8419
<211>　　　411
<212>　　　DNA
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<223>　　　Clone ID: jC-gmfl02220093b03d1

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ggtaagacaa aaagaaaaag gaggggtgcc gacaagaagc agcgacggag tgcatattgg   180

gtgtcgcgtt aatgaggtgg ggagacaaat aaaagcgcga gcacccctgc tgtaagctgg   240

taggaggaaa acttttgac gggagccatg agccactaag aagtactaca agaagtgcat   300

gagcgataat atggctactt aagggtgggg agggataggt cggggtctct agttgccgct   360

agcgggctag gtgcgagcgc gccaaggtaa tgatataaac gaaaccccgc g   411

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093b04a1

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tcaaaaatgt ggacatacaa ctggactggc tggtacactt aaccaggagg cgcggaccat   180

cgtagaccag cacatgacat gacattttca gatgaaagat cgtacataa tggaggccca   240

tctgctaatt actatatgta ccatgtagga actagcttag accggacttc agaggactc   300

atcattgtct cagctatgac tatgactgac ctatagacga atactgacgt ttaaatgaac   360

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tgtctgtaga ttcaacagtg acatggtccg ataataa   457

<210>   8421
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<223>   Clone ID: jC-gmfl02220093b04d1

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atagggtaag acaaaaaggc aaaggaggtg tgccgacaag aagcagcgac ggagtgcata   180

ttgggagccg cgttaatgag gtggtgagac aaataaaagc acgagcaacc ctgctgtaag   240

ctgctaggag gaaaactttt tgaagggagc catgagccac taaggagtac tagaagaagt   300

gcatgagcga taatatggct atttaagggt ggggaggtat aggttggggt gcctaggtgc   360

cgctagcgag ctaggtgcga gcgcaccaat gtaatggtat aaagggaacc ccctcgtcag   420

aaggggtga ga   432

<210>   8422
<211>   467
<212>   DNA
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<223>   Clone ID: jC-gmf102220093b05a1

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tccgtctcag ttccttctta ttccaacctc actcggtttg agagcacgga atcaatgaag   180

aaaataatta gaatattttt tcagcgttag taaaaccgtc acattaaaat aataaaaaag   240

gagcgtaaat taggaagaaa tattttgtga ggaagagaaa aatgcgagtg aaagagatgc   300

acccgctgtg ctgtatctcc ctcgagagtc ccggaatcgg caaatattcg tcggagcggg   360

agccggcggc gcttttccga accaggagcc tttcggcggc tggatctcac ggcaatgccg   420

ctcaaggatc ggagaccacc gtctccggcg ttctctacaa gtggacc   467

<210>   8423
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093b06a1

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aaaagccatg ggtttcattg gggtgatctt tcatccaaac cattgcatca accttccct   120

ttccctaata ttgacaagtg tgatttggag tgtagagggt cacaaaccct agcttgtgac   180

tttcacaaag tcctcttaag gactcattcc ttcttccct atttcatgct tgttgccttt   240

gaaggtggaa gcatttttag ggcattcttc ttgctttgtt catgccctat gctgtggatc   300

ttaaactatg aaatgaagct tagggtcatg atcttcatct cctttttgtgg cctcagaatg   360

aaggacatgg aaaacacttc aagggcagtt ttgccgaagt tctacttgga gaacctcaac   420

cttgaggcct atgaggtagt ggcttcagta gggtccagag ttttcttcac cactatgcct   480

aaagtgatgg ttgaagggggt tctcaagga   509

<210>   8424
<211>   237
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<223>   Clone ID: jC-gmfl02220093b07a1

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cgatgagatc tattaaaaca gggacggtta ttgaattggc gaaggtgatt tccgaatcga   120

tgaagctggt gcagaagcag aaccactcct caagatactg acgcgtgaag atgaagaaca   180

ggaggctggc ttagtgcctg actcaagccc tgtaattcat gaactcatgg tgagtga   237

<210>   8425
<211>   523
<212>   DNA
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gaaactatgt gcctacctgg gcctttgatc acatcaaata cctcaatggt ggttctgaga   180

ttcagcttca tcttgataaa tacacaggta ctggcttcca atcaaaaggg tcctacttgt   240

ttggtcactt cagcatgtac ataaaattgg ttgctggtga ttcagctggc acagtcactg   300

ctttctattt atcatccaca aactcagaac atgatgaaat agactntgag ttcttgggaa   360

acagaaccgg gcaaccttat attttgcaaa caaatgtgtt caccggtggc aagggtgaca   420

gagaacaaag aatctacctc tggttngacc ctacaagaga atatcacaga tactcagtgc   480

tatggaacat gtaccagatt gttttctatg tggatgacta ccc   523

<210>   8426
<211>   258
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093b09a1

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cattgtgtgg ggaaatgagt ctcggtactg gcaaattcca gaacagggtc ctgcggagct   240

gatccaagct tgatggtt   258

<210>   8427
<211>   514
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093b10a1

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gcatggcggc ggaaccggtg agtgacggcg gagccgcggc ggagaaattg atcagcggga   180

gagaagaatt tggtgattcg tccaacttgt tcagcgcgat tctagcaatg gtgctgtggc   240

tgggagctat tcatttcaac atcgccctga tcctcctcgc cgtgttcttc cttcctctct   300

ccaaatcgct cttggttttc ggttttctct ttgggtttat ggtgcttcct atcaacgaga   360

agagcagatt tggccgaaga ttgtcgaggt tcatatgcaa gcacgcttgc aattactttc   420

cgatcacgct tcacgtagag gatatgaaag cctttgatcc taaccgtgct tatgggtttg   480

ttgagctccc ttttcccctgc ctaagatgaa ctct   514

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<211>   539
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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gcaatcttat tggcagaaga tgctaggtgg agttcatcaa tattctggta ggtataatat   180

cttcatgaat ctaatataac gttattcata gtgaaaataa atcgagccaa ggaatttatt   240

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tcttacttga tttggtaaac tccggttact tgtatccaaa taagatgggc catttgtatt   420

gcggnggctc tgtataattg tacaattatc tacttgtaag aagttcagat tcgggcgaca   480

acatttgtga tgcagaatta ggtcattaac attgtacatc ttctggcgat gattggaat   539

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<211>   524
<212>   DNA
<213>   Glycine max

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aatacgagat gttggtagat ctgttggcca gaaagccaag ttgattgggg ttattcttga   180

cttcggcttt ccaaagaaat ccaagggcac tgattttgt tgttgcctaa gaataattga   240

tgaaacacat caccaaatct ccatggctat aacatgttt gaggaaaatg tagaaagact   300

tccccgtctt gctgctgtcg gggatgtagt tgtgctttgt tgtgttgagg taaaatcatt   360

taaaggggaa gtaaatgtta ctttcaacaa gagattttcc tctcttggtt tatataaagg   420

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agacgagaag ctaataagta agcttagaaa atggctgatg aatt   524

<210>   8430
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<223>   Clone ID: jC-gmfl02220093c01a1

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ttcctcttca gaagaggtct cgcttcagtg ttccatttga tatcagcgga gaatggtttg   360

agcagaagca gaagccaaag acatctattg aatctttgcc agatgaatgc ctctttgaga   420

tccttagaag gctgcctgca ggccaagata ggagtgtctg tgcttctgta tccaagcgct   480

ggcttatgct tctgagcagt atttgcaaga ctgaaatcca cagctaccga agtactggaa   540

atgaaaacca ggaaattagt gacgaaggat acctatcccg aagcttggaa ggaaaga   597

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<223>   Clone ID: jC-gmfl02220093c01d1

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agtaggatag cagagacaac cggataagca taacggtaaa aaaaaaaaa agcaactgga   180

aaaacctg   188

<210>   8432
<211>   552
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093c02a1

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ccaccttgcc gtggattcac ccaagtccta gctggaatct acgaggagct aaaaagcaga   300

gtccctcaat ttgagattgt gtatgtgtcc tcagatgagg acttgaatgc ctttaatagc   360

ttctatggaa gcatgccctg gattgcaatt ccgttctctg atttggaaac aaagaagtct   420

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cgtaaagagc acgcaacagt tcgtgatggg gttgaactta tttaccgcta tggaatccaa   540

gcttatccat tc   552

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<223>   Clone ID: jC-gmfl02220093c02d1

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atggcagaga atcaataacg aatactatga ggggggagaa aaaaaactg agccacaagt   180

aaagaccgca ggttttttaac aggggttggg gcggg   215

<210>   8434
<211>   138
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093c03a1

<400>   8434

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gtttagaagt tggcgacc   138

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<211>   578
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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ggtgatatcc gtgaaagaga agttgaagat ttgtttctga agtatggaca cataacacac   180

attgacctaa aggttccccc aagaccacct ggttatgcat ttgtagagtt tgaagatgct   240

caagatgctg aggatgcaat tcgtggtcgt gatggctatg attttgatgg caccggtta   300

cgggtggagc ctgcccatgg tggacgtggt cattcatcct caagagatcg atacaatagt   360

cacagcaatg gccgaggtgg accgtgggtg tctaggcgct ctgatatcgt gttctaatct   420

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<210>   8436
<211>   435
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093c04d1

<400>   8436

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tctagcgggg gcataggtaa gacgtgagga tacaaagtga tcccttcgta aagttgtaag   180

aggaaaagga acgtcaaacg tggaaccgta agaaaacccc agtaaattgg aaatttaaag   240

cgggggggggc ctgaaaccga aggggatggc aaaaaatggc ccgctttggt tggaatagga   300

ggtaaaatgg taggaaggcc gattagtaaa accggatccc ctaaaagggg ccggggccgg   360

tggatgtgaa tgcccaagtt gctgactatg ctctgggggc ccctggggag gatctccacc   420

taagccccat tgcca   435

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<211>   547
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ttctggtatt ttttgaggaa gctgaagaag gtgaagaaga gcaatggtca agttcttgct   240

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tatcagagta ggactggtta ccacaacatg tacaaggagt accgcgatac cactctaaac   360

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atccaaatta tcaagactgc aaccatccca gctaagcttt gcaagaggga gagcaccaag   480

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angaagc   547

<210>   8438
<211>   297
<212>   DNA
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<223>   Clone ID: jC-gmfl02220093c06a1

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cgaggaactg aagtccatgt acgagcagag gctagtaaag cacggcaggg cgtgcaccgc   240

gctgcgagag aacgagaaca ggatccatta cttcagggac aacctgcgat tcatcga      297


<210>      8439
<211>      223
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220093c07a1

<400>      8439

acgaaaccgt gacattgaaa tccacttgtg gtactatgtt tatggttgct accataaggt    60

gcttattgta tgattgattc atcatttacc atatactata ttcctaccat tatttattat   120

cattgtattg tttgagctgc gaaatcgatg agtgaggttt gaagacagaa cagaggctct   180

attatcaaag tatatgtgtt gcgtgagtaa ccctaactac gtg                      223


<210>      8440
<211>      566
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220093c08a1

<400>      8440

agccattgaa gggtggaaag cctcgtgttg ctgattttgt tcatggtaaa gatggactag    60

ggaacacatt cctaccccca cctaaaggtg agaaaattga gaaaagtgct agtgagtttt   120

tggtagagaa agtctctgaa tatcctggtg aagtatctgt gctagcactt ggaccactaa   180

caaatttggc tttggcaatc aaaagggatt cttcctttgc aagcaaagtg aagagaatag   240

ttatacttgg tggtgcattc tttgccttgg ggaatgtgaa tcctgctgca gaagccaata   300

tccatggaga cccggaagcc gcagatattg tgtttacctc tggggcagat attgttgtta   360

ttggaataaa cattacaacc caagtccaat tcacagatgc tgatctcctc gaactgaagg   420

aatctaaagg aaagtatgct cccttcttga gtgacatatg caaattctat agggactttc   480

atgtaaaatc tgatggtgtc cacggaattt ccttcacga tcctgtaagt tttgtggcag    540

ttgtgcgtac agatcttttc acatac                                        566
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<210>   8441
<211>   395
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093c09a1

<400>   8441

gataaagcac agaacagttg aagtgaatgg cataaaaatg catgttgcag agaaaggaga   60

gggtccagtg gtgttgttcc tccacggctt ccctgagctc tggtactcat ggcgccatca   120

gattctctct ctcagctccc tcggctaccg cgccgtcgct cccgatctcc gtggctacgg   180

tgacaccgaa gcaccacctt caatcagcag ctacaactgc ttccacatag tgggtgatct   240

tcgtgcgtta atggactctt tgggtgtcca ccaggtgttc cttgtgctta atgactgggg   300

agccatcata ggttggtatc tatgcatgtt tcgccctgac aaagttaagg cctatgtctg   360

cctcagtgtc cctctcctcc gcagagaccc aaaca   395

<210>   8442
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093c10a1

<400>   8442

accaactcgg ttcttttttt tctttcacct tcacctatgg ccatggcttc tttgattcag   60

tgttctgcaa cttccctctc cgctgtcccc atcactaccc gtttcaccag gacccacaag   120

tctcgccttc gctgctcctt agatgctaat gtttccgaca tgagcgttaa cgcgccaaaa   180

gggttgtttc ctccggaacc tgaacattat cgaggaccaa aactgaaagt ggcaattatt   240

ggagctggac ttgcaggcat gtcaactgca gtggaactct tggatcaagg ccatgaggtg   300

gatatctatg agtcaagacc ttttattggt ggcaaagttg gctcttttgc tgacanaggt   360

gggaatcaca ttgaaatggg attgcatgtt ttctttggtt gctacaacaa tcttttttcga   420

ttgttgaaga ag   432

<210>   8443
<211>   518

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093c11a1

<400>   8443

gctgaaccct cacctcaatc ttgcgtgcta gctagcttta ttccaattcc tacagaacca   60

aattattctg ctagctagct agtacgtcaa ataaaataaa ataatcaaat atggcattca   120

gcgggaccca acagaaatgc aaggcttgcg acaaaactgt tcactttgtc gaaggtttat   180

ctgccgatgg agctgcttat cacaagaact gcttcagatg cagccattgc aatggccttc   240

ttgcgataag caattactca tccaccgaag gagttttgta ctgcaaggtg cactttgagc   300

agcttttcaa ggaaactgga acctacccca agaaatccca gtcgtctgga aagcctccac   360

tcgagctgaa tagagcacca agcaagcttt ctgccttctt ctctgggact caagagaaat   420

gttcaaaatg caagaaaacc gtatatccat tggagaagtt gaccgtggaa ggcgagttnt   480

accacatatc atgctntang tgtgcacatg gagggatg   . 518

<210>   8444
<211>   496
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093c12a1

<400>   8444

aatttgcatt gatatgtaaa tatgcaatgg actagcaaca ttactaaata cattcgtgta   60

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tacctttgtg agtgcaacca ttattctcat attcattcgg agattattca accaaacctc   180

agaatcagaa tatgcaaagc ttccaccagg gcctcgtcca tttcctatca taggaaacat   240

cttggaactt ggcacaaatc cacacatagc actcaccaaa ttctcaaaga tttatggacc   300

tcttatgact tttaaacttg gcagaataac caccatagtt atctcctctc ctcaagtagc   360

caaagaagta ctacttgaaa atggtcaagt cctttctagc agaacaattc cacattcagt   420

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aaccttangc gagttt   496

3798

<210>   8445
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093d01a1

<400>   8445

ttcggctcga gattttccct ttcgtcttga gagagagaat cggtgtattg catctgaatt   60

ggaggggctt tggttcacag aaaataggaa accaaaccct aatataagtc ccaaatcaca   120

atcacagcat cagaagagag gtctctcgcc gattgttttg tatctgcagt tcactcctta   180

cgaattccga gtatctccgt ttgctgtggc ctttcacttt cttctctaat cagcgcgtag   240

aaccacaaca acgcttcgca ggaccaaaag aactgttata gtgtgtacaa actgccggcg   300

aatatggaag aagatgatta tgtggagtat gtgcccgtgg ccaagcgtcg tgccttggaa   360

gctcagaaga ttctccaacg caaagggaag gcctctgctg tcactgacga tgatttggag   420

aaacaaagag tggctgaaac taagcccagt cttctggtta aagcgtcgca gctgaaacga   480

gagcaacctg agatcagtgt gaccgagcag attgttcaac aggagaagga gatgattgan   540

aacttgtcag ataggaaaac cctatg   566

<210>   8446
<211>   331
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093d01d1

<400>   8446

tgacgggaat ttggtttgcc gtgctacact gttggagtgc cgccttcttg gggggggggg   60

gggggggcact aacaaagagg taaaggacga gtatgcgtag ggaaaggcgg tggcgttgcc   120

tataacgagg tacaaaggga caaggccaaa accgtcaacg tttaacaagg gactacagcc   180

gtacaggtta taatagtagt tcagcggaaa gggtaagcac gcaaaaggat aaccataggg   240

catagtgaca aattacacat aactgcgaga tgtttaggtg tagaggttaa agagacttta   300

aaggtacaag atgcaaggat gtgggggttt t   331

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<210>      8447
<211>      566
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220093d02a1

<400>      8447

cactttcttg ttttctctct caccctcata tccatcatct tccacaccca tggagcgttc    60

tctgagcaat caataatcaa gttacccaca gaccaaccaa gggtagagaa actgacccac   120

ttgcattttt tctaccacga catcttagag ggcaagaaca tcacggtggt gaaaatcatc   180

gagccatcag cgagcgaggt tcgtgaagca actgggtttg gaaccacttt catgatggac   240

aatgttttga ccgagggtcc agagctgagc tcgaagcacg ttgggagggc tcaggggctg   300

tttggcttgg cctctttgga ggaccgtgga atggtgatgc tcattaactt ggctttcagt   360

gagggtgagt atgctggcag cactctcagc atgcttggga ggaaccctgt tcaggacact   420

gttagggaaa tgcccattgt tggaggcacg gncgtgttca ggtttgccaa gggctatgcc   480

attgccaaga gtctttggga aatttctgac aatgagcatt ttgtggtgga gtatcatgtc   540

actggttctc atccttagat ctatat                                        566


<210>      8448
<211>      201
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093d02d1

<400>      8448

cgacttggcg agtaacttgc cgttctacat gtgtgcagta ccaccttctt gggggggggg    60

gggggatgg caaaatgtaa gaaaagggca ggtagggagt agattagtgg caacagaggg   120

aacttgaaaa gggcaggatg tggaataaaa catagagaac agtgaaccag cacaaatacg   180

catagcagat gttatttta a                                              201


<210>      8449
<211>      591
<212>      DNA
<213>      Glycine max
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3800

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093d03a1

<400>   8449

gaaaaaccat ggcaataaca ctcaacaatg gcttcaagat gcctatcatt ggattgggcg   60

tgtggcgcat ggaaggaaac gaaatcaggg acctaattct caattccatc aaaattggtt   120

atcgccattt tgattgtgct gctgactaca aaaacgaagc agaagttgga gatgcgctta   180

aggaggcttt tgatagtggc cttgtgaaga gagaggatct cttcattacc accaagcttt   240

ggaattctga tcaaggccac gttcttgagg cgtgtaaaga cagtctcaag aagcttcagt   300

taacgtatct agatttatat cttgttcact ttcctgttgc cgtaaggcat actggggttg   360

gtaatacttc tagtcctttg ggtgatgatg gggtcctgga catagatacc accatatccc   420

tggaaacgac ctgncatgca atggaagatc ttgtttcatc gggcttggtt cgcagcatag   480

ggatcagcaa ctatgatatc tttctgacca gagattggtt agcatattcc aagataagcc   540

tgctgtaaat cagattgaac tcatcatact tcagcgtgat tcttagtcaa t   591

<210>   8450
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093d03d1

<400>   8450

ttgccaggca atgatgattt gccgtgctac atgtgtgcag tgccgcctgc ttggggggggg   60

ggggggggg ggaactaata ataggtacaa cgtgtgtgga gggacgttat cacaggccag   120

agcccagcac aacagcaggg ggtaattagt aataaacaaa cgggatagga gtaaagaaat   180

gcactgatga accacttgca aacagtactg gagattaaag tgcaagtgga atataaccgt   240

aaatacttag cagatacatg gaccaaccct aggtgtatct agataaagtg agcttttaaa   300

atatactgcc ggcaggccgg tcagaggggt gagtgagatg gttaagcact gttagcgttg   360

tgggacataa tgtaaaagtc aaaattgcaa acggtgtggg taattgtgtt acggggcatc   420

agggaacaag cattatacgc ggttgggcaa ggttttactc gagctgcagt gccctc   476

<210>   8451

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<211>      487
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093d04a1

<400>      8451

cttttcttct attttattt ctatccaatc atccatggcc gaggaacccc aaaaaccagc     60

ctccgctgaa gaagtggtcg ctgttcctgc ggagaaccca ccatctgaag ccgaagctga    120

aaacatcgaa gcagagaagg cccagagtgg tgtagaagac aagatttccc agtcggtttc    180

gttcaaggag gagaccaacg tggttggcga cctccccgag gcgcagaaga aagcccttga    240

tgagctcaag aagcttgttc aagaagcgct caacaaccat gagctaactg ctcccaagcc    300

agaaccggag aagaagaaac cagcagcaga gaagaatgag gaagttgaag tgacagaagg    360

gaagaatgaa gctgaagtca tagaagagaa gaatgaagtg gaagtgacgg aagagaagaa    420

ggaaatagaa gttacagaag agaagaagga agctgcagtc atagaagaga agaggaaagt    480

ggagtga                                                             487


<210>      8452
<211>      416
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093d04d1

<400>      8452

cgactgtgcc aggtaagttt tcctcctaca tgtgagtagt acctcctgct tggggggggg     60

gggggggggg gggggggggg gggggggggg gggggggggg ggggggtgggg gggggggggg    120

gtgggacggg ggaaagttcc caaaaaccaa ttttgcattc agggaaaata aatgggttcc    180

ctagaaaacg ggggtttttg gtaaatacat gggaaggccg gttgcgtaaa agtaattttc    240

atttaaaaag cattttgag gggttaacct aaactataaa cccggggatt taaggtttaa    300

atttattggc caaaaaatcc aaggaattcc tattggtaac cccaggcttt caattttaac    360

tgcgcaataa aggccctact tcagggcaaa aaaagcatt ttctcgggaa aagagg          416


<210>      8453
<211>      581
<212>      DNA
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<213> Glycine max

<223> Clone ID: jC-gmfl02220093d05a1

<400> 8453

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ctcctactgg aagaattcac aaaggagtat gttcaacctg gatgaagaat gccattccct    60

tagagaaaag ccgtgactgt agttgggctc ctattttat cagaacatca aacttcaagt    120

taccagctga tcattccatt cctattatta tggttggtcc tggtacaggc ctggcacctt    180

tcaggggatt tttacaggaa agattggccc tcaaagagga tgccgttcaa cttggtcctg    240

cattactctt ctttggatgt aggaatcgac aaatggattt tatttatgag gatgagctaa    300

agaattttat ggaacaaggt gctctgtcag agttgatagt cacattctcg agagagggac    360

ctgaaaagga gtatgttcaa cacaagatga tggataaagc tgcaaatctg tggaatttga    420

tttctcaggg aggttatctt tatgtttgtg gtgatgctaa gggcatggcc cgagatgttc    480

atcggactct tcataccatt gtccagcagc aggaaaatgt ggactcttca aggcagaggc    540

tatagtttaa aaactccaga tggatgacgt attctagaga t    581
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<210>   8454
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093d06a1

<400>   8454

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cacttcacct caatgccaga aaacatcttt acaagggctc tcacttcatg aagccaaaag    60

gggtgtttca gaatccttcc tagttgagaa caacaatggt tcctccattg ctggaaggag    120

acttgagatc acagcacgaa ctgctggggc ttcaaagaca attgaggtgg aggttgacaa    180

gccacttggc ctcaccttag gccaaaagtc tggtggtggt gttgtcatca ctgctgttga    240

tggtggtggg aatgcagcaa gagcagggtt aaaggcaggg gaccaagtcc tttacactag    300

cagtttcttt ggggatgaat tgtggcctgc ggataagctt ggatttacta aaaccgccat    360

ccaagcaaag ccggactctg tctactttgt tgtcagcagg ggtgctgaag tagacgttaa    420

aaagctcaca aagcgacctg ctcctgctcg atttggaaga aaactgaccg agactcaaaa    480

agcgagagct actcacat    498
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3803

<210> 8455
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220093d07a1

<400> 8455

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gcattttgct tgttatttca cgcgttctct ctccaatttg gacctccctt tccttcgttc   60

ctcactcact gcaacggcgc cggagatccg tcgctctcct cctccaccac caccgcgatg  120

ggcgccaatt ccatgctcgc cgagttctct cacgatctcg acgaccagat ctcccagctc  180

atgcagtgca agccactctc cgagcaacag gtccgaggtt tatgtgagaa ggctaaggag  240

attttaacgg atgaaagtaa tgttcagcct gttaaaagcc ctgtgacaat ttgtggcgat  300

attcatgggc agtttcatga tcttgctgaa ctgtttcgaa ttggagggaa gtgtccagat  360

actaactaac ttgttatggg tgattatgtg gaccggtgtt attattcagt tgagactgtg  420

tcactcctcg tggcactgaa agttcggtat cctcagcgaa ttactattct tagaggaaac  480

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<210> 8456
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220093d08a1

<400> 8456

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tggagcgtgt gactcaggct gtaatggtgg gttgatgaac aacgcatttg agtacatact  120

tcagtctggg ggagtacaga aagaaaagga ctatccatac accgggagag atggcacctg  180

caaatttgac aaaaccaaag ttgcggctac tgtatctaat tacagtgtgg tttcccttga  240

tgaagaacaa attgctgcaa acctagtaaa gaatggccct cttccagttg ctatcaatgc  300

agtttttatg cagacatatg ttggtggcgt ctcatgccca tacatctgtg ggaagcattt  360

ggatcatggg gttcttctag ttggttatgg tgaaggtgca tatgctccca ttcgtttttaa  420

gaacaaacct tactggatca ttaagaattc atggngcgag agctggggag agaatggata  480
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ttacaagatc tgcagaggtc gaaatgtgtg tggagtagat tccatggtct caact   535

<210>   8457
<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093d09a1

<400>   8457

caccgacaaa aaatggaact ttcactattt gaattcattt tccgttcccc actccccgat   60

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catgaccgtt catgcctcat ctacggcgac gccagcgaaa cccttaccta cgccgacgtt   180

gatctctccg ctcgccgcat atccggcggc ctgcacaaaa tcggcatctg ccagggtgac   240

gtcatcatgc tcgtccctcg caactgcccg cagttcgcac tcgccttgct gggcgccact   300

caccgtggcg ccgtagtcac cacccgccac ccctttaca c   341

<210>   8458
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093d10a1

<400>   8458

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgttgt   60

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acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt   180

catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca   240

tcaccgtctt aaccgttatg ggagtcgccg gggctaagtc taagtgtagt accgttggga   300

ttcaaggaat cgcttgggcc ttcggtggca tgatcttcgc cctcgtttac tgcaccgctg   360

gcatctcagg gggacacata aacccggcgg tgacatttgg gctgtttttg   410

<210>   8459
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093d11a1

<400>   8459

attcaccatt tttctctttt ccgttctgtt ctgttctgct ttgcccctct tttctcccaa   60

tgactactca ccattctctc tctttccaac tcctctgagc ctcgctcgtt aggatctctg   120

tctcttctcg gagacccaca aaacaatgtc ttatttattt ccttctcaaa caaagaacct   180

ctatttcccc ttggctgctc agatctagta ttcctcaagt cacaaccttt ttttgttccg   240

ttagcggtgt gagacatgag taaagaagaa ttcttgaaga tacagaaatg tgttcttaaa   300

gtgaacatac actgtgacgg gtgcaagcac aaagtgaaga aaatcttgca gaaaattgat   360

ggggtgttta ccacagagat agatgctgaa caagggaagg tgacggcttc agggaatgtg   420

gatcccaacg ttctgatcaa gaagcttgca aaatctggga aacatgcaga actctggcgt   480

tgcacctaac ccaacaacaa caacagtgat cataatcatt ata   523

<210>   8460
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093e01a1

<400>   8460

ctttgctttt gttttgccaa ttctgctgct gtaactgcta atgaagactc tacagctgga   60

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acacttccaa taccgttgtt taagccctct accaaaattg gttccaattg ttacacctat   180

accaaatcct ctgcctatcc cagttttcca aaagcctata ccaaagtgga ttccagatat   240

taagcctata ccaaatccaa ttccaattcc agtattccca atcccagtgt ttaagaagcc   300

aattccagat gttatgccaa taccaaagcc atctcccata gtggaaaaac caaagccaaa   360

gccttgccca gtagccaaga aacctattcc tactccggtg attaagaagc ctataccaaa   420

gccatcttcc atagtggaaa aaccaaagcc aaagccaaag ccttgccccg tagccgagaa   480

acctattcct acgccggtga ttaag   505

<210>   8461
<211>   487

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220093e01d1

<400> 8461

tgccaacaag gcgatttgcc gtgctacatc gttgcacgtt tccttcttgg ggggggggg   60

ggggggggg gggacgaaat taaaattaca ggtgatatag taggttggca ggacgacagt   120

agtaagtcac ggataagact cctaataggg cctacgggta gacacctaaa aaaatgggga   180

taggttaagg taatggttaa cagaaagata agaccagata gctaaatttc gatactaggc   240

agtgtcacat atacctcgtc tttgcgaaag aggcgatgcc agagtgttgg gtaaaggcca   300

cgccagaatg gtagaactag aacaaaagag agctaagaaa caacgccgag gtacccaata   360

agaacggggg caacaaacct ggagagacct gggaataaag caaagggcgg ggccgagaac   420

ttgcagtaga aaaagccaaa agcctgagcc aagaacgggc caaaggccaa gaacgccacc   480

tgggga   487

<210> 8462
<211> 602
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220093e02a1

<400> 8462

cacgaacaag ggtgtgttct gagtcagctt cggcaacggt tcctagcggc agcaccaaac   60

aagtcgagtc gacgcaagct gcattgcttt ctcaatataa ataagtttaa ttcgagacgt   120

catcttactc tcacctgaaa accattcatt cattgatcaa actcccaaaa caatggcttc   180

tttcaatctc tcttattctt cctcaccagc cctctcatgt cctcgggcga gcaaacaatt   240

caaattattc aatgatgtgc cttttgtccg aatgaattct aaatttccct caagtgacaa   300

tgctattggg agaattaaag ctaagttgat ctctgngagg gggtgatcta ctttcctatc   360

caaatggcaa tggcattgtg ataggtaaaa atctggttgg tgatgaatct gttcgaattg   420

aggtacagcc gaatagaaca ctggcagcag acacagggct aacaagcaat gttttctcta   480

ttgacaacga tgaatttgat ttggacagcc ccacagcagg ttttgcttcc atttctgagg   540

3807

caattgaaga cattcgccag ggaaagatgg tagtggttgt ggaccgataa gatcgagaaa   600

at   602

<210>   8463
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093e02d1

<400>   8463

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actgagcata accgataaaa ccaagggagg gagaagatat acgacactgg taaagtagaa   180

tggggtgagt agccatagga gacaccaatg cgcagatagc acgaaagcga ttaaaaacaa   240

gcaacaaatg acccttaagc atggttacac gttacaaagc agcaattgtg aaaacctatt   300

aaacaaaaaa gaatttgcaa agactaagct ttggcgtagc ctatgagcgg gtaacaagta   360

acagcaatag ggggccgaca cttgcttgct tgcaacagga gtacataaag caagaacaaa   420

aagtaaagta taaaggcaag aagccgggtg agaagtgaga atgggcgcca ggtagtagta   480

agagccaaag tgaccgt   497

<210>   8464
<211>   592
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093e03a1

<400>   8464

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gaccctctcc accacctcct cctcctcctt cacgtcctcc gtcaccaacg acgccagcgt   120

ctccgacggc aagatcggcc cttttctccc tccctccgcc gccaagccac ctctctcctc   180

cgcccaccgg aaaaagtgcc gcgacgctgc cgccgcactc tccaccaaac cctcctgcca   240

ctgctccaag aaaaggaaat cacgcgtgaa acgaacgatt cgtgtgccgg cggtaagctc   300

caagatcgcc gatatcccat cggacgagta ctcgtggaga aaatacggtc aaaaaccgat   360

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caagggttca ccttaccctc gagggtacta caagtgcagc accgtgagag ggtgtccggc    420

gaggaagcac gtggagcgag cgcaagataa ccccaagatg ctaatagtga cttacgaggg    480

tgagcaccgt cacgttcttc cgttaactgc cgctgccggc gttagtttcg gccattaata    540

gagttgagta atcgacgtcg tcgtttcgga aacctgacgg ggggacgtag at           592
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<210>      8465
<211>      480
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093e03d1

<400>      8465
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ggggggggggg gggggcaaaa aaacaaggaa gaagggctag aaaacaaaaa tacagcacag   120

tatgagaagg gtaggggggt cacattgcga tgaatgggat gggcccgtaa agggatataa   180

aacgttgtcg taatagaaca catgttcgta aacattataa tctaaagcgg cctgggtaga   240

cgggtaggtt tgtgggggggt tcgttatcaa ttcaattgtc ggtctagttc ttcggattcg   300

tatcagttca tccgtagtga atcgtttttc gtaccgggtt caaatcatca tcgtcaggat   360

gtaatgtgag gaagccttca aatgaatctt cctactccta cggaatccaa caatcgcatc   420

cgctgtattt gtcgaacgta tgaggactag tggccccgga gtggctctgt ctgtatcgct   480
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<210>      8466
<211>      587
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093e04a1

<400>      8466
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gagatggcgt cggtggtaaa gaacgtactc aaatccgtca gagaaaaggg tttcggcgct   120

ttcctcagag agctcaagga tgaaagctac ctgagatgcc ttccggatgg aaatctcttg   180

caaaccaaga tccaatattg gggcaacgct tgttggtgtt gataaatttg gtaacaagta   240

ttatgagaag cttggagaca cacagtatgg aaggcacagg tggattgaat atgcagagaa   300
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gactagatat aatgcctccc aggttccagc tgaatggcat ggttggctcc acttcataac   360

cgatcacaca ggagatgagc ttcttttact gaaaccaaaa aggtatggtg ttgaacacaa   420

agaaaatttg tctggggaag gtgaacagta tatctatcat tccaaaggac atgcacttaa   480

tccagggcag agaaactgga ccaggtacca accatgggag tccaaggctt gaactatgaa   540

tatggtgctt gtgaagttgc gatgttctgg atgctttttt tttttta                 587
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<210>      8467
<211>      464
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093e04d1

<400>      8467
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ggggaaaaga tagaaagatt tcggtaaaag aagataggac agaaacagg aggccaaaga    120

acgctaacgt tgggaaatat cagtttagaa gatagacacg aagcatacga gaggggaaca   180

cagggcaacc gtaaactcaa gggagtgctg ggtattatga aggtcgggga gacggaaaaa   240

caacaaaaaa atgttgggat attgtggaaa gcaacctaaa ataaggggt accaggaaaa    300

aaaaaaaact agttacaata gcgctaatgt actactatta gaggtagacg gtaacttggc   360

catgtttagc cggccgattg ccgttacggg tgtgctttgc caggaacgct agcgttgggc   420

caagcagaca gagatgcggt attgggttta catagagggg tggg                     464
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<210>      8468
<211>      547
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220093e05a1

<400>      8468
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ctctgcgact catgcaaatc agccactgct accttgtact gccgccccga cgcggccttc    60

ctctgcggcg cctgtgactc taaggttcat gccgccaaca agctcgcatc gcgccacccg   120

cgcgtcgtgc tctgcgaggt gtgcgagcag gcgcccgcgc atgtgacctg taaagccgac   180

gccgccgcgc tctgccttgc ctgcgatcgc gatatccact ccgccaaccc cctcgccagc   240
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cgccacgagc gcatccccgt cacgccgttc ttcgagtccg tacattcagt caaggcctcc 300

tcgccgatca acttccacca ccgcttcttc tccgacgccg acgctgatgc tgacgtcagc 360

accgaggagg ccgaggccgc gtcatggctg ctacctaatc caaagacaga tctaaattcg 420

tctcagtact tgttctccga aaccgaaccg gttccttaca tagatctgga ttacgcggcc 480

atggatccga agacggagca gaaaagttcc gncaccgncg acggcgtcgt tccggtgcag 540

agcaact 547

<210>   8469
<211>   433
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093e06a1

<400>   8469

tcctgctgat atggccaaga agaaaacaag tgtaatttca ataactggt ttcctgtttg 60

ggatgaagag tttgatttcc ctttgactgt tccagaactg gctttgctcc gcatagaagt 120

tcgagagaat gataagagtc agaaggatga ctttggtgga cagacatgtt tgcctgtctc 180

agagctaaaa tctggattcc gatcagtccc tctccatgat gaaaagggtg acaaattaaa 240

atctgtgaag cttctgatgt ggtttcagtt tagatgaatt ataggatcag ccatataata 300

atcttagata atggatatga ggtcattgta atgataatta tatttatctt tagctgcttg 360

caatggtatt tctggcttta ctatgttata ttttctgcac catcaacatc aatataaaac 420

agtattaaga act 433

<210>   8470
<211>   446
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093e07a1

<400>   8470

cgaaattgga gcagaggagt ggcggaggac gaagtcgacg gcgacaatgg ttaacgaaac 60

ggtgcggtgg tgtgctttgt tgtagtcgtc tccgatcatc atcgagaatg cgcaatctgg 120

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ctgcacctca ttccttgggg gttttcatct ttcgccccaa taagcctcct tttctcactc   180

tcccctcact ctctcgaaga tctctccctt ccatccagtg cggtgcagtt caattccgcc   240

cctgcatcga tatccacaaa gggaaagtga agcaaattgt agggtccacc cttcaagact   300

tgaaaggctc cgatcccgtc accaattttg agtctgataa gtcagctgct gaatacgcca   360

cgctntacaa gcaagatgga ctcactggtg gtcacgtcat catgcttggt gcggatcctt   420

tgagcaaagc tgctgccctt caagca                                        446
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<210>      8471
<211>      453
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093e08a1

<400>      8471

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aactatattg tcgtctcaca gtcaacactc aactacatgc tcgagtcttc cacctcctca   120

aagttggaag aaacaacttc aggccccctc ccaaggtgga ttcctctgtg gtgcgaattg   180

agcccaggaa accccgtatt gaagttaagc aaaaggagtg ggatgggttt ttgcggattt   240

gttttaacag gaagaacaaa acacttggtt cgatatttag gcagaagagc gtgatctcct   300

tgcttgaaaa aaactacagg actgtgcggg cactggaact cgggcaagaa gattcactga   360

aggaagtgga tgctaaaatg gacttctcta gttttggtga tgatcaaagt atggagatgg   420

atgatgatgg agcagatgat gatgaaatgg aag                                453
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<210>      8472
<211>      483
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093e10a1

<400>      8472

aaaaaattca agatccaaat gttcttctta aacttttaat ttttatttaa tcggcaaata    60

atatatatat atatatat atatatat atatatat attatagaag gagtaccaga   120

attatttgaa ggaaaagttt aaagctcaaa taaaagtta ctgaattctt aaacatatag   180
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3812

ttagagattc tttgttgtta ttgaataata gttagttaga ggtttaatct tcatgattgt   240

atgtatgaaa aaagatatgt agtgagactt tcggttctat gaataaattt ttatactttg   300

aaggattagt cttttagtct tactcaaaag atatcttaaa ttgaaaaaaa aagtgattat   360

ttatcatgca cacactataa ttacattaaa taaaatatta ttcaattctt ggacaagata   420

gttcttattt gacttgttct gattaattgg attggcttga tccacatttg aagttttgga   480

tca   483

<210>   8473
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093e11a1

<400>   8473

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aaatatatca caggttatca gtcaaatgtt tataccaagg tccatgaaca ctaactgaaa   180

tagtggctgc cacaatcaaa acaccagcag tttccactac cttatcagtc agaataccag   240

ccccaacttt catgagagcc atttctgcta atttcctccc acggatccca ctttcaccaa   300

gcacaacgcc gcgcaaagca atataaatta attnaaaaaa aaaaaaaaaa cagaaataaa   360

aaaccacttc attgtacatt aaaaaaatat tg   392

<210>   8474
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093e12a1

<400>   8474

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gtcgactctg ggaagtcaac taccactggt catttgatct acaagcttgg aggtattgac   180

3813

aagcgtgtga ttgagaggtt cgagaaggag gctgctgaga tgaacaagag gtcattcaag   240

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gctttgtgga agtttgaaac caccaagtac tactgcacag tcatcgatgc ccccggacat   360

cgtgacttta tcaagaacat gattactggt acctnccagg ctgattgtgc tgtccttatc   420

attgactcca ccactggtgg ttntgaagct ggtatttcta aggatggaca gactcgtgag   480

catgctcttc ttgctttcac ccttggtgtg aagcagatga tc   522

<210>   8475
<211>   586
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f01a1

<400>   8475

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tccacgccgt cgaggctgtc atggcctgcc gtgatatcga aaataccttg caagctctca   180

ctggagtgag tttgggagaa ggaactggtg caacaatgtc agatgacgaa gatgatttac   240

agatggattt ttctttagat caatctagcg ctgaagggca tgacatgatg ggatttggtc   300

ttcctacaga atctgaaagg tcattgatgg aaagagttcg ccaggaacta aagattgagc   360

tgaaacaggg tttcaagtca agaattgaag atgtcaggga agaaatatta aggaaacgta   420

gagctgggaa attgccaggt gacacaactt ctgtgttgaa gaactggtgg cagcaacatg   480

caaagtggcc ttacccaact gaagatgaca aggcaaaact tgtggaggag acagggttgc   540

agcttgagca aattaatatt ggttcatcaa ccaaaggaaa cgtaac   586

<210>   8476
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f01d1

<400>   8476

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ggggggggaca agaagacaat actcaagagg gtaagtagtg cgcgacgacg aagaagaagg   120

tggttcttcc gtacaaaacg actaaaataa gggataaaca tacggaaaaa cacacctaat   180

ggaattatat tgaaaacaaa acgggctaga tcggaacggt tataaaggga tacttacttg   240

tcaagggcgg gtactgagtg gataagagga tacgaattta gtgatgagtg gtgcaagttg   300

gacgcccatg atatgggagt actaagaact agcgttggag agagacggcg cggctggctg   360

actgcggtta tagacggacc cataaaagaa gagaagcgtg attgtggctc gggccatggg   420

aaacaacgaa ttcaggcaca cggctgcgct tacggatcgg gttgggccag cagcaattaa   480

ggaggaaggg ctggta   496

<210>   8477
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f02a1

<400>   8477

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gcaagctaga tactcaagcc tattgtgatc atacctgtgt aatagcaaaa gaacatttgg   120

agcctaactt atgtgggctc actgttgaga atgctttcca aaactatgac gttgttcact   180

ttatatcacc atgactatct cattccttat tatgaggaat attaatgcat ataccacaaa   240

gacttatgct acatgaacca tattcatctt gaaagatgat ggaactttga caccattggc   300

catatgagct aatgaatgcc acatactcag ggtgaagaat atggacctgt tagcgaatcc   360

tacgtgccag ccagcgaaag agtggaatgc ttatataagg ttactggaaa ggctgatgtt   420

gatggaatga tgcatgctac catcaaataa   450

<210>   8478
<211>   605
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093f03a1

<400>   8478

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tcctctccct attattatta ttggtacatc ntttttcttc ttcctctgat acaaagacac  180

catgagagga caggaagatc agcaatctag ggtttttctgt gagctctcgg ctctggtctt  240

caaccttctc cggtcaccgt cgatcgtgcc ggagcctccg gcgaggcgtt cgccggcggg  300

ggcgcagatt actccggcgg ggttcgcgtc gctactgcta gggatttcgg tggcgctgat  360

gctgtgtgga tcggtgactt tcttcatcgg gttcatgctg atgccgtggg ttctcggatt  420

ggttatggtg ttttacgtcg ctggcgtcgt ttcctctctc tccgttctcg ggcgttctat  480

tctctgttac gctacgccac gtaaggatct ccctgagtgg aaacttatat aaaaagaata  540

ataatcgaat tgaccagtac tatactggtn tgtgcctgcc tgctcatgct gccattagac  600

aatga                                                               605


<210>       8479
<211>       489
<212>       DNA
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<223>       Clone ID: jC-gmfl02220093f03d1

<400>       8479

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gggggggggg gggggggggg gggggggggta actcacctag aatgtgcgtt gtacgggaga  120

gagagagaga gagagagagc cgtgtcgcac gtagttcagt agatgggttt gggtagggga  180

gacgatagag aagtagagat tagcgggcca aagccaaaaa aaagaaacaa aagtacaact  240

tgaaaaggta aaggggataa aacggagacg aaacataaag ttacgaagcc atagtaaaac  300

atacgactgc ccaataacgt tgtaaggtgg cccctgcctg aggccgaaag aaaaacacaa  360

cttaaagtta taaaacttgc agagttagca tgttgctggt gacgcacaca acggtacgaa  420

gtggtaggcg gtgagcccta ctagcactac ctacctataa aattacgaga cgatgccgta  480

aggtcagga                                                           489


<210>       8480
<211>       590
<212>       DNA
<213>       Glycine max
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<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093f04a1

<400>   8480

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tggtgtaaag gccattagaa gctttagaaa ttntctaatt gagttggtgt atagtgttga   180

aggggggtgaa atctggagcc cagtttgtta gttgttactc acttcatctg taagctcata   240

ggttgaaccc tctttttttg gagacttacc tgggaaaaga tgatgatgtt tgaagatatg   300

gggtttgtg gcgatttgga tatgttatgt gtttctcttg gagagggggga tattgctgtg   360

agacaaactg aaccggatcc tgtagttgag gatgactaca gtgatgaaga aattgatgtg   420

gatgaacttg agaagaggat gtggagggac aaaatgcgtc acaagcgatt gaaagaacaa   480

accaagtcca aggaagggac tgatgcaaca tagcanaggc aatcccaaga gcaggcatgg   540

aggaaaaaga tgtcaagagc tcaagatgga atactgagta catgctgaaa   590

<210>   8481
<211>   574
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093f05a1

<400>   8481

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tcctcagttg tgtgtatgca caagacacaa caacccttgt gcctgcaatc ataactttttg   120

gtgattctgc tgtggatgta gggaacaatg actatcttcc caccctttttc aaggctgatt   180

accctcctta tgggagggac tttgttaacc accaacctac tgggaggttt tgcaatggca   240

aattagctac tgatttcact gctgacacat tgggtttcaa gacctatgct ccagcatatc   300

ttagcccaca tgcatcaggg aaaaacctcc ttattggagc aaactttgct tcagctgcat   360

ctggttatga tgaaaatgct gctactttga atcacgcgat tccgttgtcc caacagttga   420

gttatttcaa ggaataccaa ggcaagctgg ccaaggtagc tggcagtaaa aaagcagcct   480

taatcatcaa ggatgcgttg tatgtgctca gtgctggaag cagtgactnt tgtgcaaatt   540

3817

ataatgtcaa tccttggatc aacanagtct acac   574

<210>   8482
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f06a1

<400>   8482

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accgaaaagc ttctgagggc agggatgaac gttgctcgtt tcaatttctc tcatggcacc   180

cacgactatc accaggaaac cctcaacaat ctcaagactg ccatgcacaa cactggcata   240

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ggaaaaccta ttcaacttaa agaagggcaa gaagtcacca taactactga ttatgacatt   360

aaggggggatc cggagatgat atccatgagt tacaagaagc tgtctgtaca cttgaagcct   420

ggaaatacca tactgtgctc tgacgggacg attactctca ctgtcttgtc ttgtgaccct   480

gatgctggta ctgttagatg tccgtgtgaa aacactgcaa cgtgggtgag agaaaaatg   539

<210>   8483
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f07a1

<400>   8483

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tcttcttctc agaaatatgc cttctcagaa agttgaaacg ggtcatcaag acacggtcca   180

tgatgttgca atggattact atggtaagag gctggccacg gcttcatcag atcacacaat   240

taagataatt ggggtgagta atacggcctc tcagcatctc gcaacattga ctggtcacca   300

aggacctgtt tggcaagtgg cgtgggctca ccctaagttt ggttctctac ttgcatcgtg   360

ttcctatgat ggtcgtgtca ttgtttggaa ggagggcaac caaaatgaat ggactcagct   420

catgtgtttg atgaccacaa gtcatctgtg aattcggttg cttgggcgcc tcacgagttg   480

ggtctttgct tggcttgtgg ctcgtctgat gggaatata   519

<210>   8484
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093f08a1

<400>   8484

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cttcttcacc ttcctcagaa aacaaaaacc tagagggagt agctggtggt gccggagaga   120

aacccattcc acttggtgag aacgttctgc agaagcatgc tgcattcttt gacttgaata   180

aagatggtgt catctaccca tgggagactt ttaaagggtt gcgtgaaatc gggactgggg   240

ttttgctgtc cgttggaggt gctattttca tcaatgtgtt tctcagtcag agtactcgtc   300

ccggaaagtt tccatctata cttttttccaa ttgaaattaa aaatatccaa cgcggcaaac   360

acggcagtga cactggagtc tacgatactg aaggaaggtt tgtaccttca aaatttgaag   420

aaatttttaa caagcatgca catacacatc caaatgcttt gacatatgat gagttaacgg   480

agatgataag gcnaatagag agcc   504

<210>   8485
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093f09a1

<400>   8485

cacacacgca cagatctgat ctatctgaag ctgaaaacgc cgacgcccga cggtgatgat   60

gaagatgggg tcctcacctt cacgttgctc cttcttccta ttcctcctcc tcctagtggc   120

gctcttcccc tcgtcgctct ccagagatccg gttctccgag atccgaaacg acgatcgctc   180

catcgttccc ttcgatcagt ttggattcac ccacaagggt cgccttgagc tcagcgtttc   240

caaaatatca ctctccaatt ccaatttgga cctctccaag gtgggattct tcctctgcac   300

                               3819

cctggattcc tggcttcatg tcttccagca actggaggat ggcgagattc ggtgcgccct 360

tcaatccgat ctggtcaagt ccgtctacac cttcaattct ctcaacggca aggactcttt 420

cagcacgctc tancaagaag aaaccgacgc cgatcagtac aacctcg 467

<210>   8486
<211>   521
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093f10a1

<400>   8486

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cggttgctta acgaagcaat caatacctta cataatgctc gagagagaag actgtttcgc 120

ttcgctgtgg cagaaataca cctacgatcg tctccacctt catttgagga agcaagtttg 180

cgagttaccg cacttaccgt ttcccaagtc ttaccctcac tacgtgcctc ggaagcagtt 240

catagactac ttgggaaact acgttaacca ctttgagatc aagcctctgt accagcgtgc 300

agtggagttg gtggagtatg atggatggaa agggatttgg agagtgaagg ctcagaatag 360

aagatctggt gagcttgaag aatacgctgg aaagtacctg gtcgtggcca gtggcgaaac 420

cgccgagcct cgtctgcctc aaattcaggc tttgagagtt tcaatggaaa gtgattcact 480

caactggcta caaaacggaa cgagtntaag aataacatgt c 521

<210>   8487
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093f11a1

<400>   8487

aggaaagaaa actctcaaaa aactattata gcaatggcag aacaaaacca aaaccaaaca 60

actgaagctg gaaggcacca agaggttggt cacaagagcc ttctccagag tgatgctctt 120

taccagtata ttctggagac aagtgtctac ccaagagaac ctgaatccat gaaagaactg 180

agagagttga cagcaaaaca cccatggaac atcatgacaa cctctgcaga cgaagggcag 240

3820

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ttcttgaaca tgctccttaa gctcatcaat gccaagaaca ccatggaaat tggtgtctac    300

actgggtatt cacttcttgc caccgctctc gctcttcctg aagatggaaa gatcttggcc    360

atggacatta acagggagaa ttatgaattg ggtttgcctg taattaaaaa agcttggtgt    420

tgaccacaaa attgaattca ga                                            442


<210>      8488
<211>      493
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093f12a1

<400>      8488

caccgacaaa aaatggaact ttcaccacaa gaattcattt tccgttcccc actccccgat     60

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catgaccgtc catgcctcat cgacggcgac accagcgaaa ccctcaccta cgccgacgtc    180

gatctctccg ctcgccgcat ctccgccggc ctccacaaaa tcggcatctg ccagggtgac    240

gtcatcatgc tcgtcctccg caactgcccg cagttcgcac tcgccttcct gggcgccact    300

caccgcggcg ccgtcgtcac caccgccaac cccttctaca ctccggcgga gctcgcgaag    360

caagcgatgg ccacgaaaac caggctggtc ataacgcaat ccgcgtacct tgagaaaatc    420

aagagtttcg cggacgacag cgatgtcatg gtgatgtgca ttgatgacga ttattctttc    480

tgaaacgatg gcg                                                      493


<210>      8489
<211>      607
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220093g01a1

<400>      8489

gaagcagaca gatcagaggt tgagggtgca agcacaccat cagaagctgc aaagaaggtg     60

aaaattggga tatattttgc aacctggtgg gctttgaatg tggtgttcaa tatttataac    120

aagaaggttt tgaatgctta cccttaccct tgggcttact tcaactctct cacttgcatg    180

tgggtctctt atgatgttga tctcttgggc cactgggatt gctgaagccc caaagactga    240
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tcctgagttt tggaagtctt tgttccctgt tgctgttgca catacaattg gacatgtagc   300

ggcaacagtt agcatgtcaa aagttgcggt atcattcaca cacattatca agagtggtga   360

acctgctttt agtgttctgg tttcaagatt tcttttgggt gagagctttc ctgtgccagt   420

ctatctgtct ttaattccaa tcattggtgg atgtgcactt gctgctgtga ctgagctcaa   480

tttcaatatg atcggnttta tggnggccat gatatcgaat ttggcatttg tattccgtaa   540

tatcttnttc gaaaaaggca tgaatggaaa gtctgttaat ggatgattac taccatgtta   600

tctattt   607

<210>   8490
<211>   156
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g01d1

<400>   8490

catgccttgc cggcagattt gccgtgctgc actgtgtgca cgtgcctcct tgctttgggg   60

ggggggggggg ggggggggggg ggggggggggg gaatgaataa tagtaaatag ggagagaggg   120

agcccaagta gcataaccca ctagaaaaag gagtat   156

<210>   8491
<211>   551
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g02a1

<400>   8491

ataagatcac tatcaccaat gacaagggta gattgtcaaa ggacactggc attcctcctg   60

cacccagggg tgttcctcag attacagtgt gctttgacat tgatgccaat ggtatcttga   120

atgtctctgc cgaagataaa accactgccc agaaaaataa gatcactatc accaatgaca   180

agggtagatt gtcaaaggaa gatattgaga agatggttca agaggctgag aagtacaagt   240

ctgaggatga agagcacaag aagaaggttg aggccaaaaa cgctttggaa aactatgcat   300

acaacatgag gaacaccgtg aaggatgaca agattggtga gaaacttgac ccggctgaca   360

agaagaagat tgaggatgca attgagcaag caatccagtg gttagacagc aaccagcttg   420

3822

cagaagcaga tgagtttgag dacaaaatga aggaattgga aagcatctgc aatccaatca 480

ttgccaagat gtaccaaggt ggtgctgggt caaaacgtgg tggtgctggt gcagcaaagg 540

atgagtatgc t   551

<210>   8492
<211>   428
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g02d1

<400>   8492

tgccggccag caatttgccg tgctacacgt gtaggagtac cgccgtgctt gggggggggg   60

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taacatacaa gaaggttgat accgaaaccc tagaataagg cacgagatta gtgaagaagc 180

aaaagaatct agagaataga agctggaaac taatcggtag agtacaaccc aaaaagacgg 240

gcaagtttag gtaataaaaa gtagctcagg aaaagttaag gaaaaaacta gaaacgaaaa 300

gaacgggggga aaataccgag tgccaccaaa ctaatggtag ggacgctatg gttgtaagtg 360

gcccccttacc attagggtta ttacaaccac cactactaga tgtagatggg cagctattac 420

gattattt   428

<210>   8493
<211>   619
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093g03a1

<400>   8493

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ggttaactgc tagggttcag aaaggctccg tggtgaaatc cgccggagcg ttgggcatgg 120

tgctcagcaa caccgctgcc aacggcgagg agctggtggc ggatgctcat ttgttacctg 180

ccaccgcggt tgggcagaaa gccggtgacg ctattaagaa gtatttgttt tctgatgcga 240

aaccgacggt gaagattttg tttgaaggca caaagttggg gattcagcca tctcctgtgg 300

3823

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tggcagcgtt tagctctaga ggacccaact cgatcacccc gcagatcctt aagccagatc    360

ttatcgcgcc aggtgtcaac atcctagccg ngtggtccaa ggcggtggga cccaccgggt    420

tacccgttga taacaggcgc gtggatttca acatcatttc tggcacgtcc atgtcgtgcc    480

ctcacgtgag cggcttagcc gcgctgatca agtcggctca ccctgattgg agcccagccg    540

cggtccgatc ggctcttatg acaacggctt acacagttta caaaaccggt gagaagctgc    600

angacagcgc aacgggaaa                                                 619


<210>      8494
<211>      494
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093g03d1

<400>      8494

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gggggggggg gggggggggg ggggggcccc ccttaatttg gaaaaaaaaa cccaacccga   180

aaccaatttt tggaaaccce ccccattaaa attgggaccc caaaaccccc tttaaaaaaa   240

gggtttttaaa ccgggaaaat tccgttttc cccaaaaaaa aaatttatcc ctttaaaagg   300

ggggttttttg gccaaaaagg ggttttcccc aaaaaaaccc ttttttttta gagaattttc   360

cccctttttg gggaaaaaac cctatttccc gaaaatttaa tgggcgcccc cctaaaaaac   420

ccgaaaggaa gaaagcccttt tttgggaaat ttgcgggttt catttaagga ccttttttttt   480

tgggggcccc cccc                                                     494


<210>      8495
<211>      502
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220093g04a1

<400>      8495

gtggttaggt taggttgagg gcgatatgaa ggtaaccaaa gggaaggaaa ctaaaattgt    60

tctgacaaaa cccttccaat tggaaggtga atcagattta gaaccgtctt atagagctcc   120
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3824

caatctccta catcgcttgt taagtttact caagaacgtg cggccaggat cagatctcac   180

acacttccaa ctgccagctg tgtttaactt cccaaaatct caacttcaat gctatggtga   240

atcagtgtac tgcacatctt caaacttgct gagcaaatgc aacaatgggc agagtccact   300

ggacaggttc acatcagtag tagcatggag catatctacc acacgcccca catcttttgg   360

tgttgctcct tataatccca ctcttggaga gacccaccat gtttccaagg gcaatctcaa   420

cgtcctagtt gagcaggtat cagtcaaccc ttcagtatct gcccttcatg caacagatga   480

gaagganaac attgagatga ta   502

<210>   8496
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g05a1

<400>   8496

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tgcagtcaat ggacatcaag agcttcagca tctcagtttc tcttgtcatg taccgaatgt   120

gactggaaga gggtttattg aggtggaaga caatggtctt agcagctgtt cctttccatt   180

catagtggca gagcaagaaa tttgtttaga gatctgtacg ctagacaatg tcattgaggc   240

agcagagatg gctgatgaca accagataaa aactaaccta atggaagaaa agactcaagc   300

attgtatttc atacaagaaa tgggttggct ccttcataga agtcgtgtga aagttaggct   360

aggtcccatg gcacctgtcc aagatcgctt ccattttaat cggttcatat ggcttgttgg   420

cttctctatg gaccatgact ggtgtgctgt gatgaaaaag ctcttgaaca ttatctttga   480

gggcactgtt gatactgaga tcatgcctct gtgaagtagc tttgttagag atggtcttct   540

acacaagc   548

<210>   8497
<211>   277
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g06a1

<400>   8497

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ctcacacgtg acgggtggcc atttggtagc tctgtctgtt gagaataagg aggggtatct    60

gattctactt gcaacatatt gactccaaat acagatagac tggaccatgc cgtcaaaggc   120

tgaactaagt ggaggtaaac aatgccgaga atcgcaattg ttgtatgaag agtgccaatt   180

agctctgaac ctcgccatga cagacatatt ggctgacttc ttcgtgactc ataagattga   240

ccgtgcctat aattaattgc agacatacat attgttt                            277
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<210>   8498
<211>   506
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093g07a1

<400>   8498

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ctcacacatg aggggtagcc ggttgcgagc ttcatctgct ggtgatgagg aggtggatct    60

acttctacct ggtacagcaa gactccaaat acagcttggt gtgaacatgc catcaagggc   120

agaacagatt tcaggaaaac aaaaacaaga aaagcaaatg tttcatgaag tgtacgatgt   180

ggtgctgtac cttggtatca ttgacatatt gcaggactac aacatgacta agaggattga   240

acatgcttat aaatctcttc agtttgattc attgtctatc tcagctgtgg accctacgtt   300

ctattcgcat cgcttcctgg aatttattca gaaggtgttt ccaccaaatg caacgacagg   360

ttaatcaaga taattatggg gttatattta accagtaagt ntatttagaa agtgtgaata   420

ttgcactttt catgctttgc tcagaatttt tatgtaggtg gccacgtggc accttgtgat   480

ggtggtatag gaatcaagtg aatatg                                        506
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<210>   8499
<211>   107
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093g08a1

<400>   8499

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gattactatt aggagctagc aattttgaga tgctgagata atttttatgc tcgaaaaaga    60

agaatataag ggccggcgcc ctctattgag ctcgtctagc cgggaat                 107
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<210>   8500
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093g09a1

<400>   8500

gttctagatc gcgagcggcc cccttttttt ttttttttta ttaaaaaaag tacaacaacg   60

gattacacct ccaaacttgg tcacttaaac aaaaatctaa aaatgaaaaa gaaagaaaaa   120

atacaaaata tttgtgtttt tgttgtcttt tatactagtc gtggcaacct acaggggtgc   180

cacccactta cgtcacgagt cacgagccgc atcgatcaaa cgacatgat cgattcgagg   240

ctctctataa cggttctatt tgagtcacca caatggggct ccgaaccacg tgcttcccat   300

ccgtccacgt cagcgacccg aacaccgccc cggacggacc catcttcaga ttacgggtgt   360

accccgccac cgtcaccaca tagcttcgct tgttcaccgg ctgcgagaac acgagcctcg   420

acggctttac cgtcacgctg ac   442

<210>   8501
<211>   111
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093g10a1

<400>   8501

cccttatcct aatacaactc cagtgggttt ttattctttt attacaatga tttccaacaa   60

gacgggtgtc catggtcatg ccacgaccc tgatcctgtg caatggttat g   111

<210>   8502
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093g11a1

<400>   8502

cctttctcct aaaacatctc cagtgggttc ttcttcttct attacaacaa cgtcgtccaa   60

gaccatgacc atggccatgg ccacgatcct gctcctgttc acggtcttcg cggtttcatc   120

3827

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ggccctagac atgtcgataa tctcgtacga caacgcccac gccgccacgt cgcgcagcga    180

cgaggagctg atgtccatgt acgagcagtg gctagtaaag cacggcaagg tgtacaacgc    240

gctcggagag aaggagaaga ggttccagat cttcaaggac aacctgcgat tcatcgacga    300

ccacaactcc caagaggacc gaacctacaa gctcggactg aaccggttcg cggatctcac    360

caacgaggag tacagggcca agtacttggg aaccaagatc gatcccaacc ggaggctcgg    420

caagaccccg agcaaccgat acgcgccacg tgtcggcgac aaactacctg aatcggttga    480

ttggagga                                                             488
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<210>      8503
<211>      498
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220093h01a1

<400>      8503

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tttgatggtt tctcactctc cgccgctgga tgccttagtg gtgccctctg aagattatca    120

cctgagcgaa tatgtgtctg cacgagacaa cgccgcgaa ttcgtttccg gcttcactgg    180

aagtgccggc ttggcactta taacaaagaa agaagcactg ctgtggacgg atggacggta    240

tttttttgcag gctgagaaag aacttagtgc tgggtggaag ctaatgcgaa ttggtgaaga    300

tcctgctgta gatatctgga tggccgataa tttgccaaaa gaagcatccg ttgggngttg    360

atccctggtg catttcaatt gatactgctc aaagatggga gcgtgctttt gccgaaaaac    420

agcagaagct ggttccaacc tcaaaaaatt tggtggatga agttggata aatcgcccac    480

cggcagagat aaatgctg                                                  498
```

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<210>      8504
<211>      463
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220093h01d1

<400>      8504

cagcctgccg gcaatttgcc gtgctacatg tgtggagtgc cgcctgcttg gggggggggg     60
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ggggggggggg ggggggggggg ggggggggggct actacaagag gcagagagga gagagctgcc   120

ctagacgaag ggcaaccaag aattaggttt aagcagagtg aaaagtgaca ggatacgagg   180

agccagatcc aacatatgaa aaggatctgc aattagtggg aacggaggga atggggtaat   240

gttaaatata ccgtagctat tgataccggt acgcctgggt ggtacttagc taggggtaat   300

ggtagttaaa gagcccctta caagaggttg atagcgcctc gcagaccacg gtacttaagg   360

gagtgttgtc ccatggaaaa cccgtaccgt aagtaatggt cgtgcagagc cgctttagcg   420

aagcgcggta aaacagaacg gattgggagt attaaaaggc aaa   463

<210>   8505
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220093h02a1

<400>   8505

cgtcaatcaa tcgtgagtct gagactgagt tctcatctct caatttaaaa ccctactcgc   60

cgttgccgcc caaccacctt ctgtccaccg tcgccgtcgt cgcctttgca gtcggaaggt   120

tgcaccacgt caccagcaca tcaagcccgt cgcgttggaa ggtctcaagt taataagtga   180

cccattggtt cgactattga tccaatgcct tgactgggtc aatcaccatt tggctttttaa   240

aactatgctt cgtagttcct aggccaatgt ttgcatttgc ttccttatac actctctgga   300

actgtcacag gattttgaga cagctgacaa gagacaacaa gatatggcag agaggagcaa   360

agagcttctc aagtttgagc ataatggcac acccctttct tccttagaat ccactcttct   420

tgtttgtgat aataaaaaag aatcagacag tcaaactagg agactccccc ctgatggcat   480

gctcctcact gccccacttt ccccaagcca acttttaggg aaggttaaag acttcctagg   540

agtgatgt   548

<210>   8506
<211>   489
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220093h03a1

3829

<400>   8506

aggggagggaa actggagagc gacatggaat tcgacgagca agaggagcat gaggaggagg   60

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ggtcgaaaat cggcggcggc gaggcgcgga agagcgcgtt cggcgtggcg gcggtgcggt   180

accgagaatg ccagaagaac cacgccgtca gcttcggcgg ccacgccgtt gacggctgct   240

gcgagttcat ggccgccgga gacgacggca tgctggaagg cgtcatctgc ccgcatgca   300

actgccaccg gaatttccac cgcaaggaga tcgacggcga gatgtcctcc ttccaccacc   360

gcgcgcaacc tccaccgncg ccgttgcacc accaccacca attctccccg tactaccacc   420

accgcgtccc gcagcacccc accggcgncg gctacatcca ccaccacctc acaccttcga   480

tgtcgcagc   489

<210>   8507
<211>   381
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220093h03d1

<400>   8507

tgaccttgcc gggcaatttg ccgtgctaca tgtgtggagt gccgccttct tggggggggg   60

gggggggggg ggccaacaat ttgactggca gtgttagtaa ggaaagggta aaggataggg   120

ggtgtgtagt caatccaaac agtcacacaa acaaggagat gaggagtata ataagtgctc   180

aaaggacccg ggtggattca cacgctgtgg cggaggcgct agttaaatgg gcacaatcgg   240

gtctggtata ggcagtgtac tatacaatgc ggttatacta caggtagtcc cgggtgccag   300

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aacgtccaat ttggggggcc a   381

<210>   8508
<211>   640
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093h04a1

<400>   8508

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gtaattataa aatgaaaaac aaaatcatta aaggtactat tacttggaaa gcattattac   120

tttattgata aaaataagtc aaacaactct tcagggactt ctgctctgac tcgacttatt   180

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aaagactatt aaatttgata agttggtatt tttatataat tatacataca atatttatat   300

ttaatataca tttactaata ttaacattaa taatatgttt gatagacctg tttgtttatt   360

taagttggat ggcttactta ggcatacaga tttattcact tgtctatgag tcttttataa   420

aagaaatcat ataaatatgc tttaagttag attaaaattt taaataaatc atgctaaaac   480

ttaaaaaaca atttgtaata aataaataag tcaggttgag ataatatagg atagacttat   540

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<223>   Clone ID: jC-gmfl02220093h05a1

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gattacttta aatttgatgt catcctaagg tttctattgt ttgcagcatc actggtagct   180

gttgtggtga tcgtcactgc taatcaaaca gaggttattc gtgttccaca gcctgtgcca   240

tggccagcca agttcagata ctcaccagcc tttgtttatt ttgtagctgc attgtccgtt   300

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<210>   8510
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<213>   Glycine max

<223>   unsure at all n locations
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ggcgggctcg gtggtcccat ctatgtcgtc accgataatt ccgatgacga catggtgaac   180

cctaagccgg gaactatccg tcacgctgtc acccaaaaag gccccttgtg gatcatcttc   240

ggacacagca tgatcatcag tttgaggcaa gagctgatga tttcctccga caagaccatc   300

gatggtcgtg gcgcaaacgt gcaatttagg ggcggtgctg gcctcaccat tcagttcgtg   360

aacaacgtta ttatccacgg agttcgcatc aaggacatcg tacctaagga tggtggcatg   420

attagggact ccgccgacca ttatggattg agaaacaaga gtgatggtga tgccatctnc   480

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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cttctctccg tcgatggcct caaggttctg cacatggaca ggaatgacta ttacggagga   180

gaatccactt cgctcaatct tattcagctt tggaagagat tcaggggaga tgacaagcct   240

cctccacatt tgggagctag cagggactat aacatcgata tgaaccctaa gtttattatg   300

gctaatggca atttggtgcg ggttctcata catactgatg ttactaagta tctctctttc   360

aagctgtgga tgggagcttt gtgtttaata aaggaaaggt tcataaggtg cccgcaaatg   420

acatggaggc cttgaagtct ccacttatgg ngctatttga aaaacgccga gcacgcaagt   480

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tgacaagagt gac   553

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ttggtacagc agctcagggt gacaaggact acaaagaacc accccagca cctttgtttg   180

agcctggtga gctaaagtca tggtccttct acagagctgg aattgctgag tttgtggcca   240

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<211>   477
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ggagtataga aaacagctag ctgaagacta cggtttcagg caagttggag agccgcttcc   120

agatgatgtt actttaaagg atgtcatcaa ttcccttcct aaggaggtct ttgagattga   180

tgatgtgaaa gcatggaaat ctgttctgat atctgtcact tcttatgcac tgggtctctt   240

catgatttcc aaagccccct ggtatcttct tcctctggct tgggtatgga cagggactgc   300

aataactggg ttctttgtta taggacatga ttgtgctcac agatcatttt cgtctaacaa   360

attggtagaa gacattgttg gaactctggc ctttatgcct ctgatttatc catatgangc   420

ctggcgattt aagcatgaca ggcatcatgc aaaacaaaca tgttacgtga agatact   477

<210>   8514
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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ccttctccaa ccgctgtttg ttcaaccaat gcatcatcaa aggactcttg tcccagatgt   180

cagcagggtt tcttttgctc agatcatggc tcacaaagca aacctgcaaa tattattgga   240

gacaaggccg caaatctggc tggagatgca tctgttgata acaattcaag tgttcatgct   300

ccgaaaccta agaagatagt tgatataaat gagccacaag tatgtaaaaa taaaggatgc   360

ggtcaaactt tcaaggaaaa ggataatcat gacactgctt gcagctacca ccctggccct   420

gctgtttttc atgaccggat gagagggtgg aaagtgcttg tgatattcat gtaaaagaaa   480

ttgatgangt tatgagcat   499

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ccaggtttac tatcatttta taaccgtcca tacagaagag atagtaagat cctcttacca   180

aattcagaga gaagtcaaaa cagcatattg tggttttttgg gccctgcagt cctcgttgcg   240

tccttcattt ttccttcact ctatttacgc aaagtgctat ccatcatttt tgaggactct   300

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<210>   8516
<211>   438
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220093h12a1

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aggaagagga ggaagttcgt agggaaaacc aatgggcgtt tgaataagtt ttatgattct   180

gctgcttttg aaatttcaat gaaaagatat gccctatagt ttctagttta tgtttctgac   240

tattttgttt gttttatttta tgtttcgcgt atcaaacttg tcttctttttt tgaacttggg   300

caatcttgaa attgtaagta atagttgaat atggtgggag gaatgctttt gaatctggta   360

tctcagcttt attgttnaca aaagcaaccc tatgcacaca caagctggga acagtgatga   420

tggaaagtac cctttaag   438

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<223>   Clone ID: jC-gmfl02220094a02a1

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cctgaagaag agcatgtcga ggaagttgat cattattcaa gaaatggtaa tgggtcagat   240

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gaaatatgtc ctgatgtcaa agagagtgcc ataagaaggg aaactgaagg tgaattcagg   420

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220094a02d1

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tagataagtg gctggtaaac gatattagac tggtttcaga gcgaataaag tgtgaaactt   180 .

aatgtgataa ctactgtaaa aaataaaaca ccaaaaggaa aaagcgaact aataacaaat   240

agcaaggaat aaagttattt tctggcgtga acgggctcgt gagagaccac tggataaagt   300

agtactaagt aagctaggtg gtagcaactg atgagcctgc tgctgctttt ggggcggcct   360

aagggcgtat aaagaagtgg gtagcggccc gggttaaaag caagaaacg ctcccgcatg   420

ggcttagtgt agcgggtcca cttggtggca atacgaccaa cattttggt gtgcagaaag   480

cggcccggca caaatggcct tataaaactt tataagggag agatagctgt aaaagggcgt   540

acaaacttta cgcacctgcg cataatggta acttggataa ac   582

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<212>   DNA
<213>   Glycine max

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aactgagtaa tattactgcc agctcaaatt tctcatttat aacaagccag cctcaggagg   180

aaaatcacat caaggagtat tcagggaggg gttgaatatt tgctgttgct attaatttct   240

3836

tcttcttctt cttcaatatc tctgtctgtt ctaatctccc tctagatttt tcttttgcta   300

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caaattgcat gtgggttttc cagaattctg attcagttgt ggggttcaag gattaaaaga   420

acactctctc aggtgaagca gaagaaggct aattgctata tataggactt gctattagag   480

acatggcggc gtcatcttcc tcagcatcgc tctttggatt tagagcagag gatcaacata   540

accagatgaa agcacagcat ttcctgacac catccncatc aacaacttca gctgcacccc   600

accccagaag aataagagaa accaccctga aca   633

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<212>   DNA
<213>   Glycine max

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gggtagagag atatgaagcc attccagtca cgtcctatgc gcacacttag tggtatcatg   180

cggattgtga cccagcagca tcaggttta   209

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<211>   314
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094a06a1

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ctggctatgg tgcccgtact ccggaggtga aatgcgcaag ttggaggctt gctgtggaag   180

cacacaacat ctttggcttt gagaccattc ctgaagagtg cgttgaagca acataggaat   240

acatccatgg cgaacaatat agatcagact tcaaaacacg taacctacat gctctacttt   300

tatgccagag acct   314

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<223>   Clone ID: jC-gmfl02220094a06d1

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tttaaaggga atggtgtcaa cctaataata aacgaacaaa tgggtcataa gaaatagacg   180

ggctagtaaa gagtacattt gtagactaaa cagaaaatat gttatgttat atgccataat   240

tgccacttca aggttcactg gatcgctctc gctagccaat ctatagacca caggagacac   300

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agaggtcatg gaggaagcga tagtgtgaga cccaacgaaa ttcgtaagcc ttacaaacac   420

acgctattaa gaacccttaa aaacgtaggc aacaagccca cgaatagact gataatccta   480

cgcagaagta tagagctacg ttgctatatg atttgaagca accgtatagg cgactggtta   540

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tgagtcgagt ttttgatgag atatataaaa tttgctgctt agtggtggta cttaagaagg   180

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<212>   DNA
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aacgaaagag ataagaacgg gactagcaaa aagagatagc gcaagggtag cagcagtggt   180

agaggcatgt cgcgcatatg ctgcagaatg cacgactgcc ataagtgtaa gacggggaat   240

cagaggaggt aacgatgatg cccgcagc   268

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<223>   unsure at all n locations
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ctcgcccctc caggcgccgg agtttggaca tcttaccctt aaaatacatc gctgacatgg   180

cggtgccgcc gtcggatggt tcacggaaac gtcccaagct ggatctcagg gaccgcgata   240

acgtagttca aaattgcgac gaatccactg gacacaaggt ggtgaaaaaa gaagccaaag   300

tggaaatcca cgacaatatt tccgaaacga aaaacgtaac tgttgcggat gcttcggaag   360

ttgaagattc tcctaagttc ggcgtgacgt cagtttgcgg caggagaaga gacatggaag   420

attccgtttc ggtgcggcct tgcttcaccc aaggcttcca ctacnttggc gttntcgacg   480

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220094a08d1

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gttgcaaaat aaacccgggg ccggggctgg tgtcttaatc ggaaggaagg ccacgggcag   240

caggcgtcgg cagtgtgttg taaagtaatt attattatct gtataggagt tcaatgagct   300

tgtcttaatc tgaatggccg gaataaaagt catctaggcc actaactttc cgtccaattc   360

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220094a10a1

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gaaagaagtt cggcgccgat attgccaggt tccagaaaaa agacagtgat actgattcgg   180

cgatgatttt gagcgccgtc gaagacgaag gcgagaaaac aatagaacct ctggaagaag   240

agaaagtcgc ggcgtcaacg acgaataaga ggaagcgcaa gggaacctct tccgaaacgg   300

tcgaaggatt caatgtgttc agaagttcga cgtctgtggc gcagtcgaat gatgaagtcc   360

gagtcattga ggagtccgtt gagctgtata   390

<210>   8528
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<223>   Clone ID: jC-gmfl02220094a10d1

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tatgggacccc  cctggatacg  caccctgcac  cacgagagca  tcataagtag  ccgggaaagg    180

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gcattccttg  agggaacaaa  ggtgaaatat  tatgccaaag  ggtaaccgga  aaactagcgg    360

cgtaggtgag  ctgaggatac  cctgagaccg  tgccggggcg  ccacaggcaa  gtgtggggcc    420

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<223>       Clone ID: jC-gmfl02220094a11a1

<400>       8529

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agaagacgac  gaagctgagg  agaggtgggg  atgaaatata  gctctagtac  cgatggcgga    180

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gcacctgagc  cataggtgcc  gtttagtacg  ggcgctgagt  atatccgctg  ttatatgttg    480

cgatggatta  ggccgcagaa  ttgtaactgc  agtattaagc  ggaataataa  gccaagcctc    540

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<223>       Clone ID: jC-gmfl02220094a12a1

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actaagtcta tccaggcaca cgtagagagg tattttgcta ggtggtggta gctgataaat  240

gagaggagat ggaaggttta taggcggccg cgttgggagg agcgaggctt aagcggatcg  300

atatgggctc agaaaaccaa taataggaag gagcaaactt gacacttaag gaacatgcag  360

ggggtgcgaa tgactttaaa gtagagcggt aagtggaagt atggctagct attgctattg  420

aatttaaggc ggctattgct aatagtagat ataattgcga ggcagtgtgc cgcaatcggt  480

ttagagcgac gaatagtatg agctcgatta gggctactgc aacttgacta gatggctgg   539
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<210>   8531
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220094a12d1

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ccaacggtgt gcatacacag acaacgactt caacaccggt gatggtgacc ccaccgggga  240

cggtgacccc accggttctg gtgacccatt ccacaccggg gaaagttgta tccctgccc   300

agcgccaaca tgttccgcag catgggccgc agtaagttac gaccacaccg ccgacaaagg  360

ggaaaatgcc taatactgcc gtgtcactac taccgaaaac tacgcctcag caggcctgaa  420

ggccaacgcc gacatcagta actaccttgg tagtagtaca tacaggccac ccattgcggg  480

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<223>   Clone ID: jC-gmfl02220094b01a1

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acactctcat atataaaaga gtgtctctga taatttgatc tttgtttctt ctctttctct   180

cctttgagat ttttcagcac cccaccaagg ttttgtccga aaagcttgaa tttttcgcct   240

acccttttaca atgatctctt cattgagaca acctgttgta gggatcagtg gttctgatct   300

tcttttgagg caaagacatg caaccctaat taaggcaagg tccttttttac cctctttgtc   360

aagagaaaag ggtcaaagat ctcttgtttc agttcaaaag ccacttcaca ttgctgcttc   420

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gaagtgtgag gcctatgaag caga   504

<210>   8533
<211>   543
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094b02a1

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acagttattt tggagaagca aaatcggcaa ttgagttttt tgctgaagct ggtttcccctt   180

gtccacgtaa aagaaatcct tctgatcact tcctacgatg tatcaattct gatttcgaca   240

ttgtaacagc tacactgaag ggatctcaaa gaattcatga tgttccaaat tcagcagatc   300

ctttcatgaa tttggctaca gcagagatta aggcaacact agttgagaaa tataggcgtt   360

caacatatgc cagaagggca aaaaacagaa ttcaagaact gtctaccgat gaagggcttc   420

aacctncaac acaacatgga agtcaagcta gttggtggaa gcaactataa cgttgacata   480

gagatcattt gtgaacatgt gtagagatgt ggttactact tggttgggat catatttaca   540

tca   543

<210>   8534
<211>   528

<212>   DNA
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<223>   Clone ID: jC-gmfl02220094b02d1

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gcgaagccaa ccatcgacat aagcgtttag gaagggcgtg cgggcgattg gaaatccgga   180

gcaaatnggg ggtgtgagat agagctgaag gaacacagaa taaaggtaag gggccagcgg   240

agaagttcaa aagttaccgc tagctaacgc taatatgggg ggagggcccc ggcagaggag   300

gcaggggacg ccacgccaca agtaacatta gtggcacaac aaacgcaagc caccccggca   360

gcttgtgcgc aacccaaaca gcctagtggt tgcaaacacc cgtggggggt aactgcggcg   420

agccggtgtg gcctagaaac gcgtgcaaat aagccccagc tgtgggttgg caatggcaca   480

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<210>   8535
<211>   500
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<223>   Clone ID: jC-gmfl02220094b03a1

<400>   8535

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gaaaagcatg atgattgggc gactctgaag gcagagttag caccggtgta catggtgtgc   180

ggaatggtgg caatggctgt ggcaattgga tcacacactg cgtttcaaca actggcgcgt   240

tctccaactg gtcatataaa caagaagaga agagagagca tgccagaggt ctctgatcct   300

gatcgcacct tcaacttcgc caccaaattc atcgatggtt ccttcttaag gaaactctct   360

cacattcaag acaacaaccc cacactccac gacccttttcc accctaatcc ttttaccact   420

ccttgaaacc gtcacacctt gaagactgtg ggcgttcacc ccttcaggcg ttgatccttc   480

tttaatttca ctatttctaa   500

<210>   8536
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094b03d1

<400>   8536

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gcgtactttc gcacctactt aacgggtaca gccacatcac ttactggggg aagcggtggc 180

ttaggggggtg gtgtgtccat ttggggctgc ggcgcaagct aaatgtgcaa ccgcagctgt 240

gcggtctcgg tacaacactg cgcaaacatt taaagaatcg gtgacacact gcccagttaa 300

tgggccgcca gttggcgata gccggttaga ggattgcgca gcagcagaac tcacggattt 360

catgacattg tccatatcta aaatgcgtgc cttagggccg gttacactga cccacctgtt 420

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ggccacaatg taacaattgc tggactgccc cgtgt   515

<210>   8537
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220094b04a1

<400>   8537

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gaattgcatc ttgaaagatg gcggaggagg agaagccaaa tggagaagaa caagtgaagg 180

acaacaacaa caacaactta tacgacgccg ttcagcgtct gatcttggaa ccttccaaga 240

tcaaggcctc cctcatccct ctcttccccg aagcttctag aacctactct cgccaactcc 300

tccactggtc ccgtcaaggt tctcccctcc gacgcatcct cttcatctcc attgggatag 360

ttgcacttgt tgctctctca ggacttgttg cttttacgct cttttttctg ctgctactg   420

taaatgccat tttcgtctcc cttctcattt ctttggctgt ggctggaggc ttcttggctc 480

tgctctttgc ttttgtgaca gctatatata ttggagcact atcac   525

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<210>      8538
<211>      469
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094b04d1

<400>      8538

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cgagcatttg ccgactaacg gggtgcacaa agtaacacca gtatgaaata gaaaaggagc  180

actataacaa aatgacaaac cattaatgcg taaattatgt gaagcattat gatatatatg  240

aggagccatg aaaaagtacc agacaagagc tttgaggcag agatttcgga gggtgtagag  300

ttgggggaca agctgagacg tagaactgta ataaggtaca aggagacaaa cagaacccaa  360

aggagggcca ggagtatagc gcgcactata ggagatagaa gcagccatag caaacacagc  420

actgtcacaa tgagagccgt gtaaatgaat aatgtagcca gcagcagct               469


<210>      8539
<211>      419
<212>      DNA
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<223>      Clone ID: jC-gmfl02220094b05a1

<400>      8539

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tcatattcaa caacgagaag gctcgggatg accagtggat cttctgggtt ggacccttca  180

tcggtgctgc tcttgctgca ttctaccacc agtccgtgtt gagggcccaa gcagcaaagg  240

ctctagggtc tttcaggagc tcctcaaacc tgtaattctg gccaagctat ttgagctact  300

agagacatgc ttcatttaat tggtgttctt aattaatttg cttatacatg gtggatagga  360

ataatctgca tattctcgtc actatgttga tctaactaat gtttactata tttgtggtg   419


<210>      8540
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<211>   557
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<223>   unsure at all n locations
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tttaaacctg gtactggtgc ggtttagcct cggcgtatgc actgtgcgga ttaataataa   120

taacttggta gttcaacttg gtggtacctt atgattttga tcttaattaa acaccatttg   180

tggtattatc aacctacgcg taaatgttaa cttgtaaagt aagctagtgg gcaaccacaa   240

cctacggctt ccatgtatac tactggtgcg catactagtg agccgccggt tccaccgcct   300

gtagctgctg ccagagcacg gtgttttggt ttgaaacaat gggtgatgta ctagtgggct   360

gccgccccgg cggtgactac ttagagggcc acttcggagg ccccgggtta atgggcagtt   420

ccggaacaca atggaaagta gctagctgtt aagctggggt aggggtgtgt gtgtgngggt   480

atgtggtggt gactggtggc aggtagctaa cggagagcta atgccggtgc ggagagctag   540

atgagtgaga gtttact   557

<210>   8541
<211>   542
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094b06a1

<400>   8541

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ctgcttctag tccagcaaat ttgtgctacc aagaagcaag atcatggttg ccccctttct   120

tcctgcggca aaatcaccaa cataacttac ccatttcgat taaagggcca ccctaaaagc   180

tgcggcgaca ataggtatga gctagcttgt gaaaacaatg ttactgtgtt acatttgtac   240

tctggaaaat atcatgtgca ggcaatcaac tacaataatt tcactatccg agtggttgat   300

ccaggagtcg atcaacaaac aaattgctcc tcccttcctc gctatttctt gtctcgctcc   360

aatttcactg atacttacag tgatatttac aacatggatc cataccaagc tggtcaatat   420

tcaggtcatc ggaatttatn tatttgttat cggtaaagat tagttgctag ttnttattta   480

tgatgaaatc cacgactttt tcattctcaa ttctttcaat acttaggtcg tagtaattgg   540

ga   542

<210>   8542
<211>   641
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094b06d1

<400>   8542

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ctcctctgcc acctcctccc accgctacgc gccacaccgc caaggggtgc caacaactcc   120

gccatcaccc cacatctcca tggtgcaagc ccctcgacct ccagattcga ggtccacacc   180

aagcttcaaa cgatagcata aggtcactct ggagcaggaa tgttaggcca taagcggaga   240

ccgtgacgga gcacggtaaa acgtgtgagg taggccctgg attatatata taggggacag   300

ccacgaaatg cgacccaagg attggaaaat gtagataggg cctaggtcac aaaaccagct   360

aaacccggtt agaagccaaa gaaccgagtg cgtacggata atacaatggt acaaccccaa   420

ttaaagtggc cgtagttact atttgatgct tagcatgctc gacccaatta atttagattt   480

gcaaataaat ggttggagct ttatgacaat ggtgacggga actaaagcta ttactatagc   540

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gccataaagc aataacagag aaaaggtaca aaggagatga g   641

<210>   8543
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094b07a1

<400>   8543

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tcataattta taataataat ttactacacc cctcttaatc tacagacctt gtttattata   180

                                    3848

cccatttata tcctgcctta ttatcatatg gacatgcttt cggctctcca tgcagctgtt   240

aattttgtgc aatacccctta tggaggttat atcgtgaacc gtccaactct agccagaagg   300

tttatcccag aagaaggaac caaagaatat gatgagatgg tgaaggatcc tcaaaaggca   360

tatctgagaa caatcacacc caaattcgag acccttattg acatttcagt gatagagata   420

ttgtcaaggc atgcttctga tgaggtctac ct   452

<210>   8544
<211>   577
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094b07d1

<400>   8544

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tttaagatgc gtgggtagtt taagaggaat tagatattag gagccatgtg gggatgtaaa   180

gtgtagttag actgaattgt tatatatggga tagcccatat gggccaaaag tttggcaaat   240

gaagttgggt tgaatggcaa atgagccact aagcgcgggc caactgcaat gcctttagcg   300

tcctggggta catggccagt aggcggttgt gcgcgcaggg ggtttgtaag ggtgcttacg   360

ggcgggttaa atggggcaa actggttaag cttgggcaag ttcgacgtta agggccagga   420

gtttgggcct taaccgacat tgtagtacaa ctagcttggc ataagagtgt gagtatgcaa   480

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ggtattagtg tagtagaggt gggccggttg gtggtgc   577

<210>   8545
<211>   513
<212>   DNA
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<223>   Clone ID: jC-gmf102220094b08a1

<400>   8545

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actatatatg ttgctaccgg aatagagcat agcaatgatt tgcactccaa cctaacctca   120

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gaattcaatt cgaggctatt gcatacctct gggcatgacc attcaaaagt ctacttctga    180

ctacgtaact ggtacagggt tattatgctc ttcttccttg gagaaaaagt gtgcctttca    240

aacaacaaac gaggacacaa aaagcaacaa tgttcatcaa tatactcaca ttgttcacct    300

aaactggctc cttgcttcat cttcctgcac ctcttctggc aaagggccca aaagaaaagc    360

atcattagaa gtggtacaca aacatgggcc aagcttccaa ctgaataatc atgaaggcaa    420

agcaaagtct acaacaccac acagcgagat tctgaaccaa gaccaagaaa gggataagta    480

cattaactta aggatctcaa agaacttgag cca                                 513
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<211>      503
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094b08d1

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gtacgcagag cagggcaggg ttattggtat gtaacggtgt gggtggtggg tttggttggg    120

tagggaggga ggggcttgag cgggtgggaa aggggaaggg agacggggag attagcggag    180

cggaagcgta gagcgctcag ggggtggaga ggggcgataa cagggcagca ggtaaggagt    240

gcacaaggtt aacgatgggc ggcaggcgca gggcgcaact aacgggtaag cccaggtgc     300

agcgacctgg gccaccggtg gtgatggttt accagctggg taagggagta aggagattat    360

attatacacc aggttacgca ggcacgcacg ccagagcaag agccaaccat ggagcaggc     420

agtagctaag ccacaactgc cgaataaaac ttggtacagt aggaaagatg tgttggagaa    480

atttgctatt agcagagtag tag                                            503
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<210>      8547
<211>      436
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094b09a1

<400>      8547
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cggggcccac ttaaggcaca aaaccccact ttagatccgt agagcaaggc ctcgccgacg   120

agattcccga ggctgtgcaa tcagcaatct agcaccagca aaaatccgct cagatatagg   180

ttcttctgaa acaacctaca ggaacctcac ttcacaatcg aagagaaccc tacggacacg   240

ctctctgaag tgaacaaaaa tatagaaact gctcatggtg catatgtcta tcctgctgca   300

cagcaaatgc tatattcatc aaggaaaagt tctaaaggat ggtactactt tggaggaaaa   360

taaagtcact gaaaatagct cgattgcaat tatgtgatca agactaaga gttcatctgg   420

cgaaggatct actact   436

<210>   8548
<211>   357
<212>   DNA
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<223>   Clone ID: jC-gmfl02220094b09d1

<400>   8548

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catttaggac cataaacagc acgggtagta aggagactaa tggaaaatgc ataacaggga   180

ggaaagatag agagtagaat ggataaggcc ggataaaacc ccattaagga gtgggaacag   240

caccatggct gaactgtggt agtaaggctt ggtgttactt agcatgtact agtggttagt   300

aggttaccct gaacttgtat tagcaccagc taaaaggtac gggtaggaac tgggtta   357

<210>   8549
<211>   565
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094b10d1

<400>   8549

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tatacattaa tacacctgta gggggctgcc aaaatactgg caacagcctt caattggcct   120

acaggataat agttacaaac aagtgatttg ttatggccgc tgttcgtggt ctccgccgag   180

ctaaagtggg cgcaacatgt ggatgcccaa cattaggatg gccaccgac acactgtgca   240

3851

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tataaggcat aagcgcaacc ttaacagtta acataaccac ccgaggttgt tacattacta   300

aaccggcagg gggctgccca actactggca acagccatct atctgcctac atgataatag   360

gtaaaaccac gtgatttggt attggcgttg gtcgtgcacc ccaccgagct acagtgggcg   420

caacatgggc ataccaaaaa tgagtattgg ccaacggcaa acggtacata taaggcagaa   480

gcgtaaccta aaaagatacc ataaccaacc gagttttta cattaatagc acggcagtgg   540

gctgcccaac taatgccacc agcca                                        565
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<211>      482
<212>      DNA
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<223>      Clone ID: jC-gmfl02220094b11a1

<400>      8550

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ctgcgagcgg ctagacatgt aacgtaagga agtggcacgt ctctgctaca gatgccataa   180

agttagatat tattccagca caaagctgcg ctaagccagt cttaacttaa gggctcagct   240

tgagctaccg ataacgtgat ttgattggaa gggccaagaa gttggataaa gctgggcctt   300

ggcttgccca aagcgccatg ctaagccatg ttgaaggcgc caccgtagta gtgcgactgg   360

taagatatga gcaatagagt aatgatgggt agctcgcggt agcaacaacg taggaaaggc   420

gttgccatga ttatggggat ggcagagtca ggaagcagga tcgaatagcg agggaacagc   480

tg                                                                 482
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<210>      8551
<211>      463
<212>      DNA
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<223>      Clone ID: jC-gmfl02220094b11d1

<400>      8551

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gcatccagag taaggggttt agaggtcgaa acaaaaaccc ttggagaaaa ttaaatctgt   120
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tttggtttga tcaccttctg tatgtgtgac ccggggaagg ttgtgtggtg tgtgctagtc    180

tggtaccggt ggtgcaaaca gcgtgtctcg cgagcggccg aatgccaagt atcacgtatt    240

cacacacagt gtcaacatca aggttcgcgg ggtccacgga ggtccacgcg ggcccggcta    300

tcgacattat tgccggagct gggaaggcat gggcagcatt ctaaacagct ataccagctg    360

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ccaccgccgc cgtcgccgcc gtctgtgccg cgggtgcagg caa                      463


<210>      8552
<211>      514
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094b12a1

<400>      8552

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ggcagcaacg cgaggtatta aaataaaaga ggggggaagag taaagagaag gcgcggaggg    180

caaaggtaga agtcaagata agtgtgaccg tggtgccggc aataacacaa agctcgaaca    240

cagggtgtta ggaggaaaat agcatggtaa ggcagggagt atccaagata gagtgcgtga    300

gattagaatt gtagcagggg ttgggggcag cgtggaggta atcggggtgg taaatgccag    360

acatggaggt tatggagtta agctagtagg cattatagca gtaccgccgc agacgctgct    420

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gagcgtattg ggccgccaca ggggtagtat aagg                                514


<210>      8553
<211>      601
<212>      DNA
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<223>      Clone ID: jC-gmfl02220094b12d1

<400>      8553

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tgtgtgtatg aaggtgaggt aggtagtgag accgcgtgga gtgagtgagt gagcaaaaca    120
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tgaatgtagt tttccgtcat ctactgtatg acgtcctcct tctttggggg ggggggggg   180

ggggggtacg gagagcaaaa aagtcgggtt aaagttaggg aaaatgtgcc cacgggatta   240

actaagggtc aagaaagcgg tataatggta tagaaacatg ttaaagcgga ttccgaataa   300

cgctaagcgt tgattcaagg cgaatgggtt tggtgataca ctattgcgcg gagaagagat   360

aatatacata aacggataga atacgctaaa tggtgaagta agaagtagtg ttggtaggat   420

tagtggtggt acggcttgtg ctattcatgg ttgtagaagt gggtgttacc ctactgagca   480

gtggtatcac ttgtagacaa tgggtttgtg gttagatttg gattaataga ttaggcaata   540

aaactttgtg gcctagatag caccgtaaag ggcgccatta agtcatagca cattggaata   600

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<210>   8554
<211>   503
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220094c01a1

<400>   8554

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atggacgagc taaaagaact gggacttgga ttactgcaag tgctcatatc ataacggctg   180

tgattggttc tggagtgcta tctcttgcat gggcaattgc acagatgggt tgggtagctg   240

gtcctgcagt gctctttgtc ttctctttga taacatactt cacctccact cttctcgctg   300

actgttaccg ttcacctgac cctgtacatg gcaagcgaaa ctacacatat tctgaggttg   360

tcaaagccaa cctaggagga agaaaatttc agctgtgtgg attggctcag tatataaatc   420

ttgatggtgt aacaatcggc tacactataa ctgcatcact tagtatggng gcggtgaaga   480

agtcgaactg ttacacaaac atg                                           503
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<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094c01d1

<400>   8555

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aaagggataa tgaagcttag taagagggaa gaggcaattg ggcgaacgca gaaaatcgta   180

ggacgcatag gccttctact gcaaaaggca cgactagcat aagggtaaga catatgctct   240

gattggcaat tcatgtgcca ctggatcgat ctcgctagct catcgtagac tgtggtgaga   300

cgcgtattga aaggtaaggt atgccttcgt cggggataat cgtcgcatgc ccaaaatttg   360

cctcggattt aatggaagtc ttggctacta tagtttttgg gtcttactgc ctcgaagact   420

caacaccttt ctattcagtc tttggtttaa tacggctcta cttgcaagcc tcaagcccat   480

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<210>   8556
<211>   315
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094c02a1

<400>   8556

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ttggctgctg ccgaaggaga ccataaactt ccaagcatca atggaagtgg agacttgaag   120

caagctttac agaaacttgg ttccattccg tcaagcagat tattggcagt tgaggtgtta   180

tggacaccac agaatgagaa cgatactctc tcagaacggg agttacttga agattacccg   240

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agctatgaac tgaga   315

<210>   8557
<211>   583
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094c02d1

3855

<400> 8557

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agcgcacgag gttggagcgg gagtagcaag aagtgatagc tcaagggtac cggctgtggt  180

agaggcatgg caagcaaagg ctgtagtata tctaaatgta agatttaaaa aaaagacact  240

cactcactca tggaatttaa aaccaaccta atcctcctaa tcaaaaggca tagtattagg  300

ataggataaa taaggcacgc actaaagcca aggctgagta ttaaccctac aagtaaaatt  360

agtggggtat gccgacgtga tgtccggcga agggctgcga acagtccata tgcctagtcc  420

gggctgctag tagtaggggg gtacaaagag caagtacaaa gtgaaggcag ctaactattt  480

taatgcgtta aaaaggtgcc caattaaaca caataggtga tatccagaag agggtacaga  540

agtgagtggc gctagtanca ccaagggttt ggttaccaat tgc                     583
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<210>   8558
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094c03a1

<400>   8558

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ccttcagagg agattccaac cttgattaat tccagtgcaa ttaaatctgt gagcaagagt  180

gctaaaactg cacagatgac aatcttttat ggtggacaag ttgttgtctt tgatgatttt  240

cctgctgaca aagcaagtga gatcatgtcc tatgccacca aagggatccc ccaaagccag  300

aacaattctg ttttcaccta cacaccgagc cagccttcat ttcctgctaa tttggtcaga  360

acttcagctg attcaagtgc tccaattatt cctagtgtga acattaccaa ctccattcat  420

gaacaccctc aagcatcatc cagacctgtt gtttgtgatc tgccaattgc tagaaaagct  480

tcactccacc ggtttctgga aagagaaag gatagaattg cttccaagca ccatatcaac  540

tagc                                                               544
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<210>   8559

<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c03d1

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gggctagacc actgacggca aagcgttcac ccaaagctac ccaaaccaaa caaaagtctt   180

agtaggccgc gtgtaattgg aggcggccgc ctgagccggc gcctccgtat aaggccccgt   240

aagtgtaagc acaagccggt taataagcag agacaccata ataacaaaca gtagcggctg   300

gtggttagaa aacttcgtta aatttgggcg tagtttatac aggagcacaa acaagctcac   360

caaacttgga gactgcccct gccaaagatt atacagttaa acaatggag taaaaggggt   420

ggtaatagta ttaggataaa aaggccgcag aaatgtaaac aaatgaagag gggctagc   478

<210>   8560
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c04a1

<400>   8560

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aggatcacac atatttcctg atgtttttgct caacgatatt gctggcccag aaggagatcc   120

tttgttgttg agtttaaaac tatccgtaga tgtttctggtt gtttcttgtc catgtgcact   180

gggtcttgct acgcccacag caatcttggt tggcacctca cttggggcaa gaaaaggact   240

tcttattagg ggaagggatg tgctggaacg cttggctgga ataaattata ttgctctaga   300

caagacagga acccttacca aggaaaacc agttgtgtcg gccataagct ctatccttta   360

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<210>   8561
<211>   594
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220094c04d1

<400>   8561

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agtttaggaa gtataaggtg aaacacgatg cagaatgggg tacaactagt gaacggaccc   180

caaccgccag agcctttgcg ggataaccca aggtgattac agccaacata aaggctacgt   240

aacacatgtg tataactggt gccgtaacct gtacaacacg gtaacaagca acgcagcggg   300

agacttaaag gctaatagtc taattggcga acatggggcc tcgctgctgg ccacccatag   360

caaaacagat ggcgagagca cgagggcgtc aagctaacgt gtcatgggta ttgcgggccg   420

agcggtggac ggactggctg gtaggcatgg cgcggtagcg ccgancggcg tgatgggngc   480

tggtcaggcg ggtggtaaga agcgcacgga gaaggacatg gcgtgctaca cataacgtaa   540

agcggctgct gagccgcaga aaacacggcc cgcgacccgc caaaggnaga gaga   594

<210>   8562
<211>   314
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c05a1

<400>   8562

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gatgtcctca cattctcatt cttccttctc ctctcttgct attgccacct cctcaatggc   120

caacaggact actcatttgg ccatgccatc gacagacaat tgcatacgct cttgaatcct   180

ataatactat cactcttgca gatctgaagg actcacatat tgatggatct agatccctat   240

ttcaagtcca aaaaaccac gcgatctctt ctaatcacaa cacgtgtata agagaagtat   300

tgcatgtcct acat   314

<210>   8563
<211>   579
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmf102220094c05d1

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gaaggggtct tagtcggccc cttcaacttc agagggttag tcaaccaact atgttacact   180

tgcagattgt tcttagtacc agttaaggac agtaatgtaa ggttaacagt taaaggtgtc   240

acgtgtaaag tactcaaaac ggccaacaac gcaacaacaa ccatcaaagg agactacaaa   300

aacaaaacgt taggcaacag aaagtaagga ttagataagt tggctacaag cacaggctgg   360

tgtgttacaa aaaacccgta tgccagctgc accactagcg gccaaacctg tagctatcgc   420

tgccgcaatg atacaactac cgccataact ggaaaaccca atgacaaata tanaatagcc   480

acaaacgcaa tgcgcaaatg tcacgattgc acggacacaa aaacaggtag catgccaatg   540

tanaagcaca acagtggtan nacagaaagc accaataca   579

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<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c06a1

<400>   8564

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agagagagga actcactcaa ctcgttacga agaactatca tcagcgtaac cttcctacct   180

ttgtgatcaa tgaggctaag gagaagcttt cctttgtatt tggctatgaa atgagggagc   240

ttcaaaggac ccaaccttct tccaaagccc ggacacagtc ctcccaacaa agtgttgcag   300

attcgaaatc atatattctc ataagtcaac ttcctcctaa tgtatatgaa aaatatgttg   360

tggatgttaa tactgcgcat ctatccggat tcacttttgt cataattagt attgtatatc   420

ttgccggtgg taaaattcca gaagaaaatc tatggagcca aatgaggagg atgggtttgg   480

gtgaaactga atcaagtcat ccagtccttg gaaatgttaa gc   522

<210>   8565

<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094c07a1

<400>   8565

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ctcggaagca ccaacacagt tggatcggag ttgctgaagg ttgctccttc tgaatttgag   180

gggacagtga gaaccgtcgt tgatgtgttg caagaagtca cctctattct ctccgagttc   240

ggttctggct tcggcgattc acgtctttct aacgccgttt ctgactgtct tgatttgctt   300

gacatgtcct ctgatgaact cgattggtct gtctccgcca cacagagtcc caaagggaag   360

cacaacagca cagggaacac aagttcggat ttgagaacat ggctgagcgc agcacttgca   420

aatcaagata catgcattga cggattcgac ggcacgaacg gcatggtgaa gggtctagta   480

tccactggta taggccaagt gatgtcctta ctccaacaac ttc   523

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<223>   Clone ID: jC-gmfl02220094c07d1

<400>   8566

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ggccttaggg ttggggcagg gattgaatag tgggaggctt atataacatt tctgatttaa   180

ggggtttggc aatatacact tagagttgtt ggtatttaat ggcgtgggaa aattgttgct   240

tagtggtgga atggttggcg agcaagagtg aagacctagt aacggagggg ccgtgacaga   300

aggggtaaga tgggtaaata ggcataaagc gtgggggtgt tagggatatc gcaaaagtat   360

aagaaatacg catatgcgga ataaaggggg ttagctttag aatagacgca aaaggagcac   420

aagatgttaa ttttagcagc gggtttacgg gtaagaagca attgttgcct gcatacacgt   480

caaaaactac attggcgacg acgactagct cgcggatgg ccatacactg ccgtatagag   540

·cacctctagt tagcaaagtg ta

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<211>      500
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220094c08a1

<400>      8567
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gcgttaagtg ctgcaactaa tcagatccca agaccttggc ctaccttgcc atacagaaaa   120

aaaaaaagca gaaaaaaagc caaggtttgg agccaacaaa aataaacaca aagcacaagt   180

catggaaaga ataatggctg gaagtgcaac aaaggttgct ttcaccctct tggccacttt   240

cgccattgtc attccatgcc ttgaggctgg cattgctgag ttcgacgatt atctcaaagc   300

ccaagctgat gaagcccata aaattgctct tgattcctat gtcccagagc cccacgatgt   360

cgcccatgaa ctcaatttcc atgttcatat ggcactggaa aactccacaa ggagggaact   420

aaggcagagg aaacttagag gaggaggcaa atgtcaagcc tncaaccccca ttgacgcttg   480

ctggagatgc aataaagact   500

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<210>      8568
<211>      602
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220094c08d1

<400>      8568
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aagctaaagt taactttatg gccaaggctt tttagcgtac gttgcgcctg ccgtttataa   120

tgacgttgca gcccttgcgc gcacctaggt aagcgcaggc cataaaggca cggtggtaat   180

acctaaggtt tgcagtagag cacaactagg cttaagctag gcggtgtggc tgtggggctg   240

cccctgactg agcggactac gctatgacgt attatgcggt agtagcgtat gacaatatag   300

acttatttac aggccggcat aaagcagaga aagctgccaa cctggcagga gggggatgag   360

gcncgactac caatgccacg ttgtaatggc cgggagggggt gcaggcgcct gtaaacagag   420

taggataacc caacgccgca ttgttaacag aagctgtaac agcgccacgg actggtaaaa   480

ccaaacacgg acaggatgag acgctgaata agcaacaggt gaaagaaaga acaagtacag   540

caacaataaa gaaggataga ggagcgagac gcgagagaga gagagagata gagagagaga   600

ga   602

<210>   8569
<211>   318
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094c09a1

<400>   8569

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cccaatctgc ccaccaatac cgagctgtgg atcaagcgag acgacctttc cggaatgcag   240

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gccgactcta tcatcaca   318

<210>   8570
<211>   547
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094c10a1

<400>   8570

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cacttcattc ccaaatccca ctcgtttctc tgttgtttct gcactgtttt gaggaggttg   120

aaggggaaaa gtgggtatca aagttggcat agcagaagtg caatcagctc tagtttcttc   180

tcttccaagc aacaggaaca tggatgcaca agccaagaaa aaagcattgt ttcgtgctaa   240

attgaatgcc cagaagaagg aaaaacgcat agaatctccc cttgtaaggt ataatgaatt   300

tgatcaacct gtttgccggg tttgtgatgt tggtctaaag tctgagtctt tatgggatgc   360

3862

acaccaagtt tctcgtaagc atcgtgaggc ataagtaat ctgaaagcga atgcagctgg   420

gataactcag gcatacaatg catagccttg tgctgattcc agcttttcca angggctaac   480

cagacattct ttggactcac aattcatacc gncagaagct tcacactagt ttctaaacct   540

caatcat   547

<210>   8571
<211>   541
<212>   DNA
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<223>   Clone ID: jC-gmfl02220094c10d1

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gggaaccggt aactagtggt ggcaaatgtg gtgtaactgt catcccaagg gtgtactggg   180

gtgtgtcgga ttgtatttag taaacggggt tgtggtgccc gcggacggga gtccagttcc   240

cctaggctaa cagggcagta gggtatcaag tagagtagga gtaaatatgt ttaggggtgc   300

ccgatggaag gcccagcccg gcttgtccag ggtctatgtg tagggtgacc cgggagcgtc   360

cggctcgggc cgccagattt tgggcatgtt caagcactgg cattatcaaa acaggccggt   420

ggccgcagtc tacgcggtaa ggtaagaacg gtcccaggc aggtggggat aaaacgccaa   480

gaggcttggg gggggggctg tgcacagaga gttcggtaag agggtggggg agggtggggt   540

g   541

<210>   8572
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094c11a1

<400>   8572

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aaaataatag gttgtgaggg gtaaagtcgt atcaagcatc gagtacaggt ctagaaataa   120

taaaatttga ggtgtgtaag cagacacata ggcggcagca gaacaaacca aacacaaacc   180

                                  3863

cgactgaagg agatactcta gctgaggcag cggagttttg tcgcgcatgt ggaataatgg   240

gtagtagcat tctcagttga tctaccaagc atgcccatag cagccctgtt aactcggcac   300

aacatgggct gtgtgcgtag cgtgaatgta tagccgattt gcgtagggct gagtgcataa   360

gtaatcttag ctgttacggc tcttatgcgc accacaatgc tcgggaactt tagggctgag   420

ttgccatgga tctggtgctt acatttataa tcgtacaatt ctcaacgtgg gattgtgaat   480

agtgagcggc tgggttgt   498

<210>   8573
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c11d1

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ccacgcatgg tatgtttatt aggcccggct tgattgctgc taaccatgag agggccgggt   120

tagcacaagc cggcgcgtgt aacaagtaat atgcagctgt aaccagggaa taacaactgt   180

aatgtactgc tacctacgtg gtaaaactaa tggttgccgt ggaacaggct aagggggtcat   240

agggataact tgtgtgagca ttggcggtaa gttttggtaa aagtgccggg cgccaccta   300

aatacaccgg ctgcgccgat tcccatgcga cacataatag ttggcggcgc gaaggtaaaa   360

gtgttaccaa tggcggtgaa gcttatatac gagcgcgggg cgcatacgcg ttagttggta   420

tacctgctga aattacggtg actgcagcta ggaaggtgat aacctagagt gtgg   474

<210>   8574
<211>   525
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094c12a1

<400>   8574

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acttaatagc aaagaaaatg gggattaaga gggtgaccaa agaaatagag accaagccca   180

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caaaaggcag gaactggcag gatataatgg ccgccaggga gggctttgaa gtgctaggaa    240

aagcttgggc tagggggcgct gtatattggg tgaaaggaaa tggtactgca acctaagcca    300

atttcttgat cagaggtagc tgcacttat aggccagaaa gagtgtgcga taggccagaa     360

gctaatagct aagggggtag caagatgatg ctcagggttg ctgccccta agtatttgtg       420

gttaatgcac aaggaagcac taatgggcta ctgtaagcaa cacctggacc cgtgtgagtt      480

cttgcgttac tagcaaggac gtttagaaca ctttagctgc gagcg                     525
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<210>   8575
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d01a1

<400>   8575

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ttctttaatg gacctaggcc ttaatccatc tgcaacaatg tcacagaatg gaaagtgcgt     120

tgctaatgct tctatggtag gaggggagac tgaggcactg cagaagctta aaaaatttgc     180

agctgagtgt gcagctcagc cacacaaggg gtttaaggat ggaacacaga gtatatatgg    240

tgccaacttc tcctgcaaga tttctccgtg gttggcaatg ggatgccttt cccctcgcac     300

aatgtatgaa gaactgaaga agactgccgg cagagtcatt tctgcttcgt ccaaccggaa     360

tgatggtggt aatggctcgt ccagaactgg aacaaattgg ttgatgtttg agttgctatg     420

gagggacttc tttaggtaac tattttttgt gcacatcttt tggctttgct tgaaacttca     480

gtgtacattt ttctttgcat gagatatatg gaaatggcaa tggtgcacca ctttggggga    539
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<210>   8576
<211>   406
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d01d1

<400>   8576

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tatctgtgtg gagtgccgcc tgcttggggg gggggggggaa gggggggggg ggggggggata   60

aaacccatac ccaaaatatg tggaggatgg ctaaattcag tcacactagt taaagataca    120
```

3865

```
tagatactta agaagaatta gacataacga ggcctgaggg gaggtaaaac tataagacag    180

aactaaatta tatatatagg ggacagccac agatgccgcc caaggttggg caaatgtagt    240

ttggttgtat ggcaatcagc cactaagcgc gagccaactg caatgccttt agcgtcctgg    300

ggtacatggc cagtaggcgg ttgtgcgcgc aggggtttg taagggtgct tacggccggg     360

ttaaatgggg gcaaactggt taagcttggg caagttcgac gttaag                   406


<210>      8577
<211>      502
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220094d02a1

<400>      8577

ctctgtgtat tacccaacaa atgcagcaat tcaacaagac actgaacttc aagcatggtg     60

gaaggaagtt gtggagaagg gtcatggtga cttaaaagat aagccttggt ggcctaaact    120

gcagactgtg gaggatctca ttcaatcctg ctctattatc atatggacag cttcggctct    180

ccatgcagct gttaattttg ggcaataccc ttatggaggt tatatcgtga accgtccaac    240

tctagccaga aggtttatcc cagaagaagg aaccaaagaa tatgatgaga tggtgaagga    300

tcctcaaaag gcatatctga aacaatcac acccaagttc gagacccta ttgacatttc     360

agtgatagag atattgtcaa ggcatgcttc tgatgaggtc taccttggcc aaagggataa    420

tccaaattgg actacggatt caaaggcatt ggaagctntc anaaagtttg gaaacaaact    480

ggcagaaatt gagggaaaaa tc                                             502


<210>      8578
<211>      331
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094d02d1

<400>      8578

ggatttggcg ctggctacat gtgtgtgact gcagtaccgc ctgcttgggg gggggggggg     60

gggaatagac taaatgaaat aggggaggag aggatgggac gagaataacg gcgtgtcagg    120
```

3866

```
gtcacaaggc aaaagagaat agtgagggta aaatagacga agataaaggg gcgtctttgt  180

aagacaaatg tggcctgtaa cggccaagat gaacgagcaa acggtgaggc ggtgctggcc  240

aaccctggcg agggtggcag atgaattcaa accttggcca gccaatttgt aacgcacaga  300

agacaaagca gtaactaagt ttaatgcaag a                                 331
```

```
<210>      8579
<211>      479
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094d03a1

<400>      8579
```

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acgggcacat atgcctgaag cttgaacttt catgacatga gtggacatta ctcaggggggg  60

gaagggctgg aaatagctga ggagttgtca gagaaggtga cactacggat ccactcgagc  120

caactactcg ccccttcagg cgccggagat tggacatctt acccttaaaa tacatcgctg  180

acatggcggt gccgccgtca gatggttcac ggaaacgtac caagctggat ctcagggacc  240

gcgataacgt aggtcaaaat tgcgacgaat ccactggaca caaggtggtg aaaaaagaag  300

ccacagtgga aatccacgac aatatttccg aaacgaaaaa cgtaactgtt gccgatgctt  360

ttgaagttga agattctcct aagttcggcg tgacgttagt ttgcggccgg agaaaagaca  420

tggaagattt cggttcgagc gggcttgctt taaccaaagg tttcactact ttggcgttt   479
```

```
<210>      8580
<211>      557
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094d03d1

<400>      8580
```

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gcgtcgatcg tgtcgcgtag cgcaatcgta cccagagtac ctgtgacact ggctgattgg  60

tgccgtgcca cggagagtgc ggcgtctgag cgagcatcag ccacagaggg caggcaacgg  120

aggtattaaa agggctagaa ccccaaaatg aacctgaccg ggccctgaag ccccccttgta  180

actgttaaaa gccagcagca gcagaaccta tgttactggg cttcgcaaac caacaaaggg  240

cggaactaac tatggcagcc ctcggctgtg gggctactgg tgtagcgggt agagcgttac  300
```

```
gtatggaaaa cgataccaat actgggcaca aaaggtggcc aattgcaact tttaaggcaa    360

gtggttggac atatggttat taagcttata ttacactact tatggcataa aatttgcgtt    420

tacggtgtat gagtggtagt gcgcgtttca tctatgcagc tactgcaaat aggggtgtta    480

atgtttgtgt tgctgactgt gacgaacggt taactatagt agagcaaagg gactacgacg    540

gtggtgaaaa ccggcaa                                                   557
```


```
<210>      8581
<211>      408
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094d04a1

<400>      8581

ctccagtcgt ttctgtgcat atcttgtgca ctcagttact ctctctctct ctggagcgtc     60

gtcgtttcgt tagggcacaa aaccccttttt cggatcggtg gagcaaggcc tcgccggcga   120

gattcccgag gctgttcaat cagcgatcga gcaccggcga aaagcggcga agatgaaggt    180

tttcgtgaag actctccagg gccctcgctg cacaatccaa gagaaccgca ttgacacgcg    240

ctatattgag tgcccagatg aaggaactgc gcatagaatc tacccttgtc aggcataatg    300

aattagatca acctgtttgc cggatttgcg atgtgagttc taaagtctga gtctttatgg    360

gatgcacacc aagtttctcg taagcatcgt gaggccataa gctatctg               408
```


```
<210>      8582
<211>      482
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094d04d1

<400>      8582

ccgcgatctg tcgctagcca atcgtgccag agtggctgtg cgacaccaag caccacacgc     60

aacttggcac catgagccca aaaacggccg cgcctgcgaa agactaaaaa gtaacaagtt    120

aaactaatgg ttattaggat taggaacccg ggtagcactt ggtgaagcaa aacgcgacag    180

cacaagccgc agccgactaa cacacggagg gtgtgcccga gcccgcattt aatgtgtatt    240

atggaggggt ttagtgtaaa gcgactgcaa aaactgcggc tgcaactatg gtacgtatat    300
```

accgggtcgc ctgagctgtt tatgctaccg tggttatacc ttaccaggct aaggctgcaa 360

gattgcgtgt cgcattggtt ggattaagga gtaacgcagc agcgggatag tatggcgcca 420

gctatataac ttaggcagcg ggtacgcctc agctggctgt cttttccgct aaatagtagg 480

tg 482

<210> 8583
<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220094d05a1

<400> 8583

ctgttgcaaa atccgttccc ctatctttct gcgtttcgag ttgttgctaa agagtgatgg 60

actcaccgcc cagtaatcac cacgccgtcg acggagacgc caacgacctc gttagaccct 120

tttcccaccg cgacgacgac ggcaaacccc aacccctcac cggcgacggc gccagtcccg 180

gaaagatatt catagggggt ttagcgagag aaacgacgat tgcgcaattc atcaagcact 240

ttggtaaata cggtgagata acggattccg ttatcatgaa ggaccggaag accgggcagc 300

ctcgcggttt cggcttcata acttacgccg atccctctgt ggttgataca gtgattgagg 360

acactcacat tatcaatggc aagcaggtgg agattaagcg gacgatacca aggcgggctg 420

ttggctcgaa ctcaaaggac ttccgaacga agaagatttt tgtgggtgga attccttcta 480

ctgtgaccga agatgaattt agggacttct ntacacgcta tggagaagtc aaagatcacc 540

atataat 547

<210> 8584
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094d05d1

<400> 8584

ggcgaaggag tttgaccgct gctagcatgt gtaggagtgc cacctgcttg gggggggggg 60

gggggggggg gggagtgaaa aacgtgcaac gcgagtaaaa ggaaagacat agaaacacta 120

cgacgcataa agcgacttag gaataaaatg aacaagataa ttagtgctat aagggctact 180

3869

```
gtagatggta agtttagaag tacatggtaa tacgcccttc actgaaaaaa ggcggtccgt    240

ggtgagactg cctcacaccc gctgctgaag aatgtgaagc ccatggaata agagtaggca    300

taaggggggg gacaaaagca aagagcgact tgcaacaatg caagaattaa atataataaa    360

tgataaatcc gtggtcagca tctatggtga gtggttagaa ccagcagagt cattacggtt    420

gctattattc gagtttttgt gacgtttaga aaaccacttg ttactactcc ttttagagtt    480

cttttttgaac tgcctagtag actgctgctg gttcgaactc tgattacaa                529
```

<210>   8585
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d06a1

<400>   8585

```
tcaactcgag gaactgcata ggcttcaaat atttcgtcgg tctccgacaa tcctagccgg     60

atgcagggga ggcaagcatc taacgaacaa cgcgagggtc tcagcttgca ttgctacatc    120

aaggcctgaa gatggtaccc agacacgaat gtccagaaca tacaggacct tggctactaa    180

ggctccatcg cttaaggatt cggccggtga actcgaaaaa gtgggtgcac tcaaagatgt    240

gagaacatga cctttgaagg gttagatggt tcttaactta tatgcgcagg tgcctgtgct    300

aaattgctaa tgctcctggc gagtgaggtt aagtggtatt acattcctgt ctggcttgct    360

atattcttgg ggaagcagaa tccctgtaat gtatgtacaa agtatttatc actctgcttg    420

cacgtaatgc tcgtatgtaa atgtaatcat tccaggata cttttgctga g              471
```

<210>   8586
<211>   400
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d06d1

<400>   8586

```
tggggggggg ggcgagaggg aaaggggggcg gacggtgtgg ataggggata gtaggctacg     60

acaaaccgat gaagattccg gagcccaggc tagcaaaggt aagttggggg tggatataga    120

gagacggaag gagtatggaa ggagaaccac agtagcgtta tgaccaaaaa tgtaaactaa    180
```

aaagcaagca gaaagagcag aagcatgagg aggcgtagat cggaacgggc ggtagtgttt   240

gttggagcct aggcctttgt atgaactgtt taagccacgg aagccttaag ggtacagttg   300

ttaagccagg cttagctatt atgcgtggcg ataacgactg agtaaaccgt agtggtgcta   360

tagatgtagg actatatagg gctataaatc tggattggct   400

<210>   8587
<211>   550
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094d07a1

<400>   . 8587

gaactccata gccttcaaat ccttcgtcgg cctccgccag tcctcgccgg aggccccgca   60

tttcgccgcc cagccaagac ccgccactcc ccaccgcaaa ttccgcgtct tggctggaaa   120

attcagcccc aagctcaatg gccggaacct ccgcgtggcg gtggtgggag gcggtccggc   180

tggcggggcc gccgcggaga cgctggcgaa gggcggcgtg gagacgttcc tgatcgagcg   240

aaagatggac aactgcaagc cgtgcggtgg cgccatcccg ctgtgcatgg tgggggagtt   300

cgacctgccg ctggacatca tcgaccggcg cgtgacgaag atgaagatga tatcgccgtc   360

gaacgtggcg gtggacatcg ggaggacgct gaagccgcac gagtacatcg gcatggtgcg   420

gcgcgaggtg ctggacgctt acctcaggga ccgcgccaag gagtaccgtg cgaacgtcat   480

caatggcttt gtcttgaaaa tggatattcc tanaggatag aactcccct acgttcttgc   540

atactctagc   550

<210>   8588
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d07d1

<400>   8588

cgagtttggg cgtgactagc atcgtgtagc cagtgaccaa ccatgcttta ggcggggagt   60

agcaggcggc acgacgaacg ccaaagctgg cgactgtgag cggtagtaga gcgtggtggg   120

```
tatgaggtat cgcatacagc cccaacccccc ctaaaggttt cgtgggagcc gcaagcttgg   180

caaaggacaa cgataggatg tgctatatgt gaggagacag gatcgagtag ggtagagaga   240

accgacagta gccttatgga ccaaagatat agactggaag acaagcagaa agagcagaag   300

catgaggagg cgtagatcgg aacgggcggt agtgtttgtt ggagccgtag gccgtttgta   360

tgaacctgtt taagccacgg aagccttaag ggtacagttg ttaagccagg cttacctatt   420

atgcgtggcg ataacgactg agtaaaccgt agtggtgcta taggtgtagt agtatatagt   480

ggtatagatc tgggttggct aaccggccat tgagaaaata ttggtgcaac aagagttaac   540

attggcgaac ggcctt                                                    556
```

<210>   8589
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d08d1

<400>   8589

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cagcgtcgat cgtatcggta gctaatgtcc tcaagtggct gtgcactggt ggacgtgtgg    60

atgctgggga gggctacata tgttaagcat cagcctgctg tgtgttaatc cttatcctga   120

ggctggtggg aacagcttca taggtaacca tatttagcgt ggtagtaagc cccaagaaca   180

gcaggattgg tttccatcca gcggctatat cacacaggac catatgccat cacaggatcc   240

caaaagtgat cccagctatt cattattaga acctggctaa gactagctaa ctgctgcgag   300

gtagtcagaa acagctggtt agtcgcaaat agcctgagtg gagagggtaa cctcgcaatg   360

caattaaagt gcacagttta gcataaccgt caatgcatct aagcggcgct ccgcagaca    420

gtactttaa ctagcaatgt aaccagtaac cgaagaagaa catttcctcc atggggctgt   480

gtgcgttggc caccaagtaa cgtgcggcag ttggccctca aaa                     523
```

<210>   8590
<211>   569
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094d09a1

<400>   8590

3872
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caatcatgtg tgaaattatg aaacatcatc catcatgtcc atggtgataa attggtgata 60

gcagctttc caaagggttt ctacaaaccc aacatgacag gctgttgctt ccctgtgacc 120

ttccatcggt ccggtagtcg cagggtcagc ttcaggcttg ttagaagttc ctcttccggt 180

tcatctaaac atcggggaag agagagtcat aaagggcctc tggttgtttg ctttggggag 240

atgatgatca atttggtccc tacagtagca agagtgtccc ttgcagatgc aactgcctat 300

aagaaattcc cttctggagc cactgccaat gttgctgttg gaatttgtag actaggaggc 360

tcagcagctc tcattggcaa ggtgggaaat gatgaatttg gacatctgtt atctgatatt 420

ctgaaacaaa atggtgttga caattctggc ctgctctttg atgatcatgc caggacagcg 480

ttgggaattt atgctcttaa gagtaatgga gaacctgaat tcatgtttta ccgaaatcca 540

agttctgatg tgctccttcg tcctgatga 569


<210>        8591
<211>        303
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220094d10a1

<400>        8591

tttctcttca aattcaaaac tctatctatc atgctacgaa ctacatacaa ttctcaaatc 60

aaaattcaaa catataatag tagtatcagg cattagcaca cttcaactca caaaccttac 120

gcacatttt tgaaacagaa aatgaagctc tccgcgttgc agcagactta tctcacgcgc 180

cgggcgaaca gcttcagagg atcggcgcag ttggattcgt ccggcgacgg ctctgtgaag 240

tcgccggcgg cgattttctg gttggtaatc cacggcgtct gctgcctcat cagcttggtt 300

ctc 303


<210>        8592
<211>        611
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220094d10d1

<400>        8592

tagcgtcgat ctatcgctag aaatgtacca gatgccgtgc acacttgtgt ttgtgtgtgt 60

```
aaaagtcggt gtggtcaggg gacccggggc ggggctgctg cttgttcggt ttttggtgt   120

agaaataatc tcggggtgtg gtgctggtcg agtgaggtgg gctggggccg gggccggcag   180

gtaaccttgg tatactaggt cggctcctag gggaagtcag ggagttaact accatgcaag   240

caatgaagcc acgtgaaacc gcccaaaaac aacgtgacga cgacgacgac gaaagtaggc   300

ggtgatcaac tgttttgtcc agatactagg caacatcgga cattaaatcc gccaagtaac   360

aaaggtacag tgctgctgga tgttaatgct ctgtctaaat tggttgcaga gttagttaca   420

ggcagacggt aggctagcta attagacggn gaggaccggg gggtggtggg ccgggtaagg   480

accgggggct gctgtgttgg taaatgntcg tgggttcaag ttgtgtgggc gcagcccggt   540

gcggtgctgg ttgattctca gaacggtgtg gtgcaactag ctttagcctc gggtgctaag   600

ccggggcaac g                                                         611
```

<210>   8593
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094d11a1

<400>   8593

```
gcgtcgatct atggctagga atgtgccaga tgccgtgcac caatgcctaa cctatgattt    60

agagcctggt acaggtgcgg tttagcctcg ccgcatgcaa tccgccgatt aataataata   120

acttggtagt tcaacttggt ggtagcttat gattttgatc ttaattaaac accatttgtg   180

gcattatcca actactcgca aatgttaact tgcaaagtaa gctagtgggc aaccacaacc   240

tacggcttcc atgcatacta ctgatgcgca tactagatag ccgccgtttc caccacctgc   300

agctgctacc agagtacaat gatctggttt gaaacaatgc tggatgtatc cgagcaccgc   360

aacaccggca gtgactagct gcaggccact tcagagacac cgggttaatg ggcagttcca   420

gaacacaatg caaagtagct agctgttaag ctgg                                454
```

<210>   8594
<211>   569
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
```

<223>　　　Clone ID: jC-gmfl02220094d11d1

<400>　　　8594

cagcgtcgat ctatcgctag naatgtacca gataccgtac atgcacaact gaagaacagc　　60

aaaagcaaac gctggcgggg cgggcggctg atacggggcc gactagagca agcttagcct　　120

gtacatgatt acaacggttt gtgttaaagc aaaatgcccg ggccgcccta agatactaag　　180

caccgcctag cgcttacggc cacctggcct cgccaactaa ataatcgacg taacgcctaa　　240

atgcggttgc tactggctcc acacgataga ctgcatgatc ggtgaccaca ttaagagaca　　300

gtacaggtta aaatacggaa ttaataactg gagggtgagc tgaaagtttg taaatgtatt　　360

aataaacagc gtgggcgtgg ccatcggcat catatgatgt gtgtgaagtg ttacgagggg　　420

ctgaattagc cagggccgcg ccaattatat aagatcatcc tcgggaacaa tgcccggtgg　　480

cagcctcacc taggtctatg cttacacatg tggaaaagcg ataatagatg cggcctgtgt　　540

cctagtaaca ggcgagggtg agtacaaac　　　　　　　　　　　　　　　　569

<210>　　　8595
<211>　　　339
<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220094d12a1

<400>　　　8595

gcctcgatca tatcgctagc gattgtcgcc agagtactgt acacctctga tgtgaaactg　　60

gtgattcttg aaccaggggc aggtgcatgt tagcctctgt gcatgcaatg cttacccttga　　120

taggggtggc ttgttggttc atggggagct taggtagcat gtaggatagt agttaaacac　　180

cataatgatg aatcacttcc cattcgtatt cgtaagcaag ccatgatagt cagacggcag　　240

aaaactagca aaagctgcat agagcttatt cgtgcacctc ttggttatct ccgcttccgc　　300

attctattgg ccgccgccct agcaacagcc atgcgtata　　　　　　　　　　　　339

<210>　　　8596
<211>　　　440
<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220094d12d1

<400>   8596

ttgcgtggta cgtgtgtgga gtgccgcctg cttggggggg ggggggggg ggggggggg   60

gggggggggg gggggggggg ggggaccttat gcccccccaa aagacagcac ttcaaaggga   120

aaacgggggag taggaataac gctgaacttt aagtaggcta ggtaacgaga gcccaaaaaa   180

gcccagtagg gaccttaagg gttaaattat accggccagg atcccatatg cggttatgag   240

ggacgcaaag actagagctt ttggatagct aaagccgaac ccggatttaa ctgctttat   300

tgccggacca aaactataat tttggggggc gttaataacc gcctttggca gtggtattgg   360

gccacctttg ctaggcgggc tgcaaactgc atgaattagg ggaggtggca gcctactaaa   420

tagccttagc aaactagggg   440

<210>   8597
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094e01a1

<400>   8597

caagagatta acaaggttgt taaccgatat attgatgaag gtgtagcaga gcttgttcct   60

ggagttctat tcattgatga ggttcatatg ctagatatgg agtgtttttc gtatttgaat   120

cgtgctttag agagctccct atctccaata gtaatctttg ctactaatag aggaatatgc   180

aatgtaagag gaactgatat gacaagtcct catggcatac ctgttgacct gttggatcgg   240

ttggtgatca ttcgaacgca aacatatggt cctgctgaaa tgatacaggt agtatggcct   300

tcatctttct ttcaaataga tttcaaaatg ttaagcatta tgtgtttgga tatacaaaca   360

tacatgcttc ttaattgtgg gacagattct agctatccgt gctcaagtag aggaactggt   420

tgtggatgaa gaaagtttag ctttccttgg ggagattggg acacanacat ctntaaggca   480

tgcagntcaa actgtatcac ctgcc   505

<210>   8598
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094e01d1

3876

<400>   8598

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gggcgagata ttagataagc gtatatgtat ttgggaacat ttcgaagtgt gtgggggagg 180

ggggtggggga gtatggtata tgatgtagta gataaatagg ggtatggggg cgacgaggtg 240

ggggggggtg tggccgagtg acagcagtat aacaaagagt gattaaatag gggttggcga 300

taaaataagt tatcacctat gttggtaaat ggcggttagc taataaatga tgcaccaata 360

tttatatggt tacacattaa acagaaaaag acccaaggaa ggtggaaaga attaaacggt 420

caaggaagca aaggcaatat tgatttcctt attagtaggg ggggataggg tatgtgcggt 480

gggctgtgaa aaaaacttag ggcaagaaac taaacgataa gaataaccat agctaaggaa 540

ggccgacgct gtaagaagga agtg   564

<210>   8599
<211>   431
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094e02a1

<400>   8599

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ttgctgcagt atcctccatt atgagcctca tttgcttggc tgaggcccag gcagtaacca 180

taaggaaggc tgaagagaaa ggtacttctt caagtctcct ggcaaagttg catcatggtg 240

ttacactttt tcttgaagaa gctattggaa ttttcatac agttgttaca cagtgcaaag 300

acatttcatc acgcttgtcg gaatttatgt atttctgcaa gtgtttacat gagttgaaag 360

gtcagcaata tcttgcagaa agcctgaagg ctcgtggtca aatagggggct gctattggag 420

ttcttagttc t   431

<210>   8600
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220094e02d1

<400>   8600

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gaaggatagt tagggggaaa gggtaaaggg tgtttataag agtctcggag gcaccccaca   180

cgtacactta gcaatgggcc atgtacagtg atgtaaaaca gctttcagct acatcaaagc   240

tgatgtgaac aagattaata tggcttggtc acaaaagaag cgaaactggt tagaggcaaa   300

gaagcgagtg cgtacggata atacagtggt acaaccccaa ttaaagtggc ggtagttact   360

atttgatgct tagcatgctc gacccaatta atttagatgc gcaagtaaat ggtcggagct   420

ttctgacgat ggtgatttta   440

<210>   8601
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094e03a1

<400>   8601

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atgactaact tcccagtgat caacttggag aagctcaatg gtgaggagag aaacgacacc   120

atggagaaaa taaaggatgc ttgtgaaaac tggggattct ttgagctggt gaatcatggc   180

ataccccatg acttattgga cactgtggag aggttgacca aagagcacta caggaaatgc   240

atggaagaga ggttcaagga atttatggca agcaaaggtc tagatgctgt ccaaactgag   300

gtcaaggaca tggattggga gagcaccttc cacttgcgtc acctccctga atcaaacatc   360

tcagagatcc ctgatctcat tgatgagtac aggaaggtga tgaaggattt tgctttgagg   420

ttagagaaac tagcagagca gctgttggac ttgttgtgtg agaatctcgg cctagagaaa   480

gggtacctca agaaggcttt ctatggatca agaggaccaa cttttg   526

<210>   8602
<211>   590
<212>   DNA

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220094e03d1

<400> 8602

gcgtcgatcg tgtcgctagg aatgtgccag agtaccgtac actggtgtgg ctggggtgt   60

ggttgtacgg cgcgcgagct ataacatatg ataatttggc gcttgctaag tagaatgggg   120

ccgcaggtgc tgcgccagcg acccaataag catgagtggt ttatttgggg taacctgcag   180

gatttgttgg agcccaccca tgggcggaat tattaattga tgcccaccgg ggctaagcct   240

aaaggactga tgcagggtat gctgcatata ggcccgggta acattgagct gttactagag   300

tggactttat agctagtacc caaaaattgt tggaggccac taaatgggct ggtactgcta   360

gtgccggagc agcaaaagct gctgatgggc aagtatctca ggttcggcgt ttaatacggc   420

acggagggta accaagatta acctaactgc cttaaccgac tgcctacgaa aaaactactt   480

gtaagtagta accagctcgg cgagcgctgt acgctgccaa ctacgcatgn gcgctaaaag   540

gaggagcgta agttggccag taataaacgt gatatgttgc agtacgaggt   590

<210> 8603
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094e04a1

<400> 8603

gtcggagtta ggccatggaa gtaatgttcg aggaattgaa acagtcacta cttatgattc   60

aaacaccggg gaatttgtca tcaatactcc atgtgaatcg ggtcagaagt attggattgg   120

tggtgcagca aatcatgcaa cgcacactat agtcttttca cagctctata taaatggaag   180

caatcaaggg gtgcatgcat ttattgccca aatcagggat tcagatggaa acatatgtcc   240

aaacatccga atagctgatt gtggtcacaa aaattgttta aatggag   287

<210> 8604
<211> 603
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094e04d1

3879

<400>   8604

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actaagcctc ctcaacaact agcatcttcc acatattaaa aacacaaact catgtaagat   180

gcaaatgtat caactgttta acctggtcaa ctgtcggctt gtaaacaact ataaattaca   240

tgttcggctg aaacataata acaataacaa catcctgttg tggattcctt cacaatcgtc   300

gtggtaggtt aaccaatgac tacagctgac aaaaaacaac acaaactcat agggtatgtg   360

gcactaacac tggctatcgt gagcccaaaa cagcacatcg tagcacaggc tgaaacacca   420

tacactgaac tgacgcatgc aactgggcta aaacagcaac cccaacaggt tacacaggct   480

ccctgtgtat agtgtagtgt ccaggtggta catagcgcgt aactaggcgg tatagctgcc   540

aacacagcta gcgaggcaac actggtactt ataggggtgc atgtgactag agacgctaga   600

gct   603

<210>   8605
<211>   529
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094e06a1

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ttcctctccc actctgactc agttcccatt taaaagcaaa ccctctcaaa tcaaagactc   120

tctctaaccc ttgtccttta tcattatcat cacattcata actctttcac aatctggata   180

tataattatg caaccctgta gcagagaaat gcaaggcctc aactccctct taaattcttc   240

atcccaaatc tcccttcaag accttcacaa tcacaccact aaccagatcc aaaattcaca   300

catgaaccac caacaccacc accaacaaca acaacaacac caacaacaac aacaccaact   360

tgctcacttt gattcaactt ctcacgacga ctgtctcgaa caaatgctct cttgctgctc   420

ttggacagat ctcaaccata acaagccatt attatgggac cctaacaccc ncaacgacat   480

caagcccncc gacgaaacga cgccgtncaa caacaacgac gacgctact   529

<210> 8606
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094e06d1

<400> 8606

ggatttagcg tggtatcacg tgtgtcactg cactaccacc tgcttggggg ggggggggg   60

gggggggga ggggtgtctg gggggcggcg ggagggggg gggtctggtc gggggggca   120

agacgatctg ggaaacggct aggaaagcca ggacgccgat aaaagatgta aagagtaata   180

gggcctgttg ggcgccatta   200

<210> 8607
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094e07a1

<400> 8607

cacatattca atggcttcct ctcttctctc tccatcattc acttccttcc cccgcataaa   60

gaaggatgtc tctctctctg ctttcacttc tcagcgatgc ttcaaagcgc ttccaaggag   120

aataatccgt tgtgctgtgg cggcgcctca gcgccaacct tccaccactg gatcagtgag   180

gactgcaatg accatgactg agaagatact ggccagagct tctgagaagg tacagctgac   240

ccctggcgat aatgtttggg tcaatgttga tattttgatg acacatgatg tgtgtggccc   300

tggttctatt gggattttca gagggagtt tggtgacgat gccaaggttt gggaccgtga   360

aaagcttgta ataatacccg accattatat attcacaagt gatgaacgtg ccaatcgcaa   420

tgtagacata ttaagagatt tctgccatga gcagaatatc aagtactttt atgatattaa   480

ggatctcagt aattttaagg aaatc   505

<210> 8608
<211> 452
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094e07d1

<400>   8608

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atactgaatc attaacgtag atgtaataac gatgaaagca attaagtggg gggaataatt   120

aaaatgcgcg taaggcaaga agacgtattc aaaagggtgg tacataaaaa agattaaaac   180

aggccgtcct ggaaagactg agtacgggga atggagcctg acacaagata taatgaatta   240

ataatcgcga taatattaag cccagcatgc gaataatagg tgatgctaac aatgtgtgac   300

cagtacgaat agaattccgt aagctacagc tactactgcg agagcccaaa cttaagacag   360

gcaatgggtt ggcgcgttaa ggtcctttcc caacggttgc ggtcgacggg caatatagat   420

tggaccggta ggtagctcgc tcgaacgagt gg   452

<210>   8609
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094e08a1

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tcatattcaa caacgagaag gcttgggatg accagtggat cttctgggtt ggacccttca   180

tcggtgctgc tcttgctgca ttctaccacc agtccgtgtt gagggcccaa gcagcaaagg   240

ctctagggtc tttcaggagc tcctcaaacc tgtaattctg gccaagctat ttgagctacg   300

agagacatgc ttcatttaat tgtgttctta attaatttgc ttatacatgg tggattggaa   360

taatctggat atcctcgtca ctatgtttat ttaatttatg tttactatat ttgtggtgaa   420

<210>   8610
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094e08d1

<400>   8610

tagcgtcgat ctatcgtacc atgtaccaag taccgtcact atacctctat cggatataat   60

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gagtagcctt atcctaatac tactgcttat tgtcgttggg agccccatct cgtgttgcca    120

cctgtatgtt ccactcccct cacgctatct ttcaggtcct ggtcctaaca aaaacctgtt    180

tcttttaaac aaacttgtta ccccagtccc ttcacatatt catacatttt gggccgagtt    240

ccctcttaaa ctctttcaag attgtcagcc cacgtggcgt ccacatgatc ccggtcagtt    300

cgggccctga cccaactttc tccacgattg ctacggtcac tgccatgtct gccattacaa    360

ttggctcaac aatcgcctgc cccatagtag gccaattacc attcactgtc tccatcgcaa    420

cgttatcttc gggtactttg atactcaacg cgggccctgt tacaacggtt cgcacgctca    480

atgtagttag ccacacgccc ttagctgt                                       508
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<210>   8611
<211>   457
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094e10a1

<400>   8611

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ncgtcgattg tcgctaggaa tgtaccagag taccgtacac aggtgcagcc gcagggtcgt     60

agcggaggga gggaggcgga aaggatttgc ggatacaggt gatactggca cacaacagga    120

taacattaag ggtaccgtac agttatcgga caaaacctat ggccaggtac agtggtattg    180

tgtcggaagg taaagcacag cagcagattt aacttactta tacaaggaag gacccaaagg    240

ctacgcggac acggccaacg gcgcgagggc cactaatagt ggtgtgttgg cgattcgaaa    300

ctggggcagt aataaggagt ggtgcgagtg ttcatggtga accaccaacg cgaaacggtt    360

gtgataatat agactctatc aggtagtaag cgggtgcgct tgcagcgtgg aatttacaca    420

caagtggtga tacaataagt gaagcactag aactggc                             457
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<210>   8612
<211>   528
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094e10d1

<400>   8612

3883

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tcgcgtcgat ctattcgcta gcnaatgtac cagatgccgt acaccggggg tttaggctgg    60

gaatccacat gtacaggcta aggcttgtgg tgtggtgttt acaagtccgt atgaagttca   120

gagtagcaac tgtcagatca tgacgtgtca agtcgggttt atatgcaggc tattgtaaaa   180

tcatcgtctt ccacaatgtg ttcttctgtt cggtgggcat tggttcaagg ttaagcatgg   240

tcagcccggt ggcaaacatc tgaggtacag ccgcaacttt ctcaacccga tgataatgtg   300

gctggggaga gggaaacacc cgcggagccg actgctgcag gtgtcactga ctagcccacc   360

agagagagtc gtctacgtgc gcaacaaaag gagtcaaagt aagttcgaga gctggccat    420

aagcctgccg ccgctgctgc aggcttacgg ggcctatacc aagtgtccca ggaacgcgtc   480

gggctagcaa cgcctanaga aaaccacaag cgtacgcata ccacttgt              528


<210>      8613
<211>      518
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220094e11a1

<400>      8613

ccaagaattt cccctgctac atgtctagga gtgccgcctt cttgggggggg gggggggggg    60

gggggggggg gggggggggg gggggggggg gggggggggg gggggtata taagccttcg   120

aaggataagg aataatcccc tttaaattga tagggtagt taaccaactt tgagggaatt   180

gccgatttaa cgccgtaaca gttacggcca gtaatgccag gttaacagtt aaatgtgcca   240

cgtgtaaagt aaaaaaggca acgggcaact ctaggatagt tatttacgga ggctagaaaa   300

acgatgccct aggcaatatg gcgtattgat tcccccaggt ggctgaatgc acaatcacta   360

gcggtgcaaa acttccgcaa gttaacttcg ccattacagc acccagctga aatttgatta   420

gccaaaataa aaaatgggcc ttcgtaaaaa aatagccccc tcaaaaatgc cgctttactt   480

gggggggagcc gcttccattt gaagaccaag ggggcatg                          518


<210>      8614
<211>      655
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220094e11d1
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3884

<400>   8614

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gcatggcgtt atgtgaatga gggtgtcatg ttcgtgtggg gatgagtgga agcgggagga   120

gagcgagagc cctcgcatca tgcgtcacac tgtatgtcga cctccttcat tgggggcgg   180

ggggggacta gaagttgagt cgacaacaag agcagaggac atagcgcaag taaaaggcac   240

cgatacccetg gttgcaaatc tactaacgct gctaggctaa aattaacggc agaggattgg   300

gtaaatgggt aggtcaatca atcaatgctc aggccaagca gcatagcaaa aagtagggaa   360

gaaaaagccc gcaaaggtac aatgtccagc tataggctgc cttacctgtt tagaaaacgg   420

agcttattca tcgagcgact acgaagctcg tactgggtgg gtttcgagca ctaagttaaa   480

ggtggcaact gcaacctttc tacatacgta acgaggttat acgcctacga agaggttggt   540

acaaagagtg agaaaggtag ttgtaccggg gctgtcgcaa gctgcggcac atggctatat   600

tgagtatggg ccgcgtagct gggtgaggct ggtgatgctc ttcccagtgc ccgca   655

<210>   8615
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094e12a1

<400>   8615

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ggggggggg ggggggggg ggggggggg ggggggggg gggcttaagg ctgaaactaa   120

aactgaaaac gggagggaag aagtgtgggg agaatagaag gaggaaagta gtaaggaaga   180

agctagaata gaaataggcc ttgtaataag gctaggttta cttggcacag taaattaagc   240

ccgttgactt gtactagatt tgggactaaa ttgcaaaacc ttatgtttgg taagtatacc   300

tagggtttgt attggcccca aaatttaagg ttgttttaag ggccccagcc cctgcttagg   360

cgatggtttg gtaagcaaac taaaaggtag gcttaacaac attaagtgta tgtgcccacc   420

taaaaatcga aaaattggcc caggggttta taactggcca atggaaggtg ccctttaacc   480

gtaatcccg   489

<210>   8616

<211>   283
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094e12d1

<400>   8616

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tgttggcggg ggccggtgtg cgggttatag acgactgaaa acccacaagc accgccagga   120

tgcacttgaa attttggccc ctaaacagca cggcgagtaa ggagactagt ggaaaatgca   180

taacaggcag gaaagattga gagtagaatg dataaggccg ggtataaccc catttaggtg   240

ttgggtatag taccatgcac tcaacagtga aataactcag tgc   283

<210>   8617
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f01a1

<400>   8617

gtgagggttg cccctagacc ctccgttttg gaaaatatga gcttggagga aatgaaacaa   60

gtatttaatg aactacccga ggctctaagc ttgcttgctc tagcaaggac tgctgatggc   120

actcgggcac gatattctag atctatacag gaccttggct actaaggctc catcgcttaa   180

ggattcggtc ggtgagctcg aaaaagtggg tgcactcaaa gatgtgagaa catgaccttt   240

gaagggttat atggttctta acttatatgc gcacgtgcct gcgctaaatt gctaatgctc   300

ttggggagta cggttaagtg gtattacatt actgtatggc tagcattatt cttggggaag   360

cagattccct cgtatgtatg taccaagtat ctatcactct gcttgcacgt tatgc   415

<210>   8618
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f01d1

<400>   8618

gggtttgcgt ggtacatgtg taggagtgcc gcctgcttgg ggggggggg gggcacaacc   60

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aaagtgggct gacgatgtga ctaggggata gtacgctaca gaaaaccgat aaagattccg    120

gagcccaggc tagcaaaggt aagttggggg tggatataga gagacggaag gagtatggaa    180

ggagaaccac agtagcgtta tgagcaaaaa tataaactaa aaagcaagca gaaagagcag    240

aagcatgagg aggcgtagat cggaacgggc ggtagtgttt gttggagcct aggcctttgt    300

atgaactgtt taagccgcgg aagccttaag ggtacagttg ttaagccagg cttacctatt    360

atgcgtggcg ataacgactg agtaaaccgt agtggtgcta tagatgtagt actatatagt    420

gctataaatc tggtttggct aaccggccat tgagaaaata ttggtgcaac aagagttaac    480

attggcgaac ggccttaaga acgtg                                          505
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<210>   8619
<211>   579
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f02a1

<400>   8619

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tgtcgccgcc cagccaagac ccgccactcc ccaccgcaaa ttccgcgtct ggctggaaa     120

attcagcccc aagctcaatg gccggaacct ccgcgtggcg gtggtgggag gcggtccggc    180

tggcggggcc gccgcggaga cgctggcgaa gggcggcgtg gagacgttcc tgatcgagcg    240

aaagatggac aactgcaagc cgtgcggtgg cgccatcccg ctgtgcatgg cggggggagtt    300

cgacctgccg ctggacatca tcgaccggcg cgtgacgaag atgaagatga tatcgccgtc    360

gaacgtggcg gtggacatcg ggaggacgct gaagccgcac gagtacatcg gcatggtgcg    420

gcgccaggtg ctggacgctt acctcaggga ccgcgccaag gagtacggtg cgaacgtcat    480

caatggcttg gtcttgaaaa tggatattcc tatagataag aactccccct acgttctgca    540

ttactctagc tacgatggca aaaccaatgg ggcttgtga                           579
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<210>   8620
<211>   616
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f03a1
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<400>        8620

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ggtggaaact cagacatatg ctcgatacaa atacccaacc atgagcaaaa ctcaaggcaa   120

ttttagactt cgtgtagctg aaggagaatt tactgattct cagattattg tgatgctggg   180

tgagaatggg acaggaaaga cgacatttat tcgaatgctg gctggtttat tgaaacctga   240

caccatagaa ggtggatctg aggtggagat gcctgaattt aatgtttcat acaagcctca   300

gaagattagc ccgaagttcc aatcaactgt taggcacttg ctacatcaaa aaatacgtga   360

tgcatatact catccccagt ttgtgtcaga tgtgatgaag ccacttctta ttgaacagtt   420

aatggaccaa gaagttgtga atctttctgg tggagagttg cagagagttg ctctgtgtct   480

ctgtcttgga aagcctgcag acatctatct gatagatgag ccaagtgcgt atctagattc   540

tgaacagcga attattgctg caaagtctaa aaagtttta ttcttattca agaaaacggc   600

tttggcgtga catgat                                                   616


<210>        8621
<211>        576
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220094f03d1

<400>        8621

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taatggtaca taagcggcga acactgcctt gtatgtttaa ctatacacag cgatacatgt   120

gggcggttag ctgtatagat aaatacccgg tgttacacag ttgctcgcca cggttgagaa   180

agtaagagcg aaataaagat agtttattag ggcaccaagg cacaggcag cggcgaggt     240

ggttgtaacc ccaaaaccga cgcggtttac tacggttacc gttggttagt gggggccgta   300

tacggcccca accaagcagc atgatacaag tattaaaacc cgagttaagt atgcaaccct   360

agcggtgggg gcgactcctt aatatgcaca gaatgcgggt gacgctattg tacggctagt   420

gcggtaacat gccccggaat acgacaggtg ggtaacaggt tgaaccgaag gaagaatagc   480

tgggggcaca cttaagtagc tacggagcgc ggatacgata gcgaggacta ctaagacgcg   540

atagctcaca aagaggcaaa tatagggggag agagac                            576

<210> 8622
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094f04a1

<400> 8622

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acacagaaag caacaatctt catcaatata ctcatcttgt tcacctcagc tcactccttc    180

cttcatcttc ctgcagctct tctgccaaag gtcccaaaag aaaagcatca ttagaagtgg    240

tacacaaaca tgggccatgc tcccaactga ataatcatga tggcaaagca aagtctacaa    300

caccacacag tgagattctg aaccaagaca aagaaagggt taagtacatt aactcaagga    360

tctcaaagaa cttgggccaa gatagtagtg tgagtgaatt ggactcagtt acactaccag    420

ccaagtctgg tagccttatt gggtctggga attactttgt ggctgttggt cttggaacac    480

ccaagaggga cttgtcactc atctttgaca cttgcagtga tctcacttgg actc          534


<210> 8623
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220094f04d1

<400> 8623

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tggcaagaaa tctgtggtgt gcaaaaattg cagggtggtg tggtggtgtg gtgtgggtcg    120

ggtcagtggt cagtgtgcaa aagcacacac gctagggtaa gttatagtcc gtaccttccg    180

aggtaccgtc caaatcttgc tgcccactgt gatgcttgtc aatatcctag gtacttgcag    240

ccctacagct taacgcagaa catgcggccg ccaccgcagc agctgggtaa tattggtggt    300

acgcaaatgc ccctgccaaa ctatcgcttg tcgctcaggg ggcgacagtg tcacttgatg    360

cgcaggcagc aacggaccat gcccatagat tcttaatgag ggtagttgca ctactgtagg    420

actccaaacc aacagctgct aaataatgng ctttcgcctt atgagattag gccaaaccac    480

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aggcggcaat gggctggcca gtctagtaca aactg                        515


<210>      8624
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094£05a1

<400>      8624

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taaattgtac agattaatcg atgaaatgtt gctgggtttt tggtatcact tccatttcct   180

aacttccctt tagatttttt atacggaatt tttgaatttc ctttcttttt ctatatcagg   240

gctaaaatca ccttttgaga ccccggctcc cccacaaatg gtacttctgt attattaatc   300

tggacccaaa tattttcctt acttcacttt cttcgtactg attattttct tcttcgatgt   360

ggatctcttg taatttttctt aatttaacat tttttttttga atccatattc aagtgctttt   420

atgatttaca gtcaaaaaca gatctttcat gttactgctg aagatttcct ttcttggaaa   480

tggagtaagg ttaaaataaa aacatctc                                      508


<210>      8625
<211>      571
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094f05d1

<400>      8625

ccggccaatt tgccgtgcta catgtgtagg agtgccgcct gcttggggggg gggggggggc    60

ccgcaaaggc gcaagatgaa ggttgcggac aagtatatat aatcatgtgc atatgattac   120

cggattcgat actagtaaaa tatacaacaa aagaaacaag cgcacccgac gaaaatttgg   180

gtgtatacca acgttagtaa gaagtgttaa ttatgcttgg ttatacttac taaatagtta   240

gggctggagt ggtttgggaa ttttttttatc cccaacgtat atacaagaga aaaaatctgt   300

agcagaaata gtaaaacaaa tcaaaacaaa agagaacaag gtaaaaatta acacacatat   360

cttaaattag ctagcacttg taagctagta taaaattagg gtaaatagga taggctacaa   420
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3890

actaaaccga ggtaggctgg agcgggtcta agtagcgtta cagcaaaaag aagatacaca   480

aaggaaggca gtgagactgc ggccttaggt gaaggtctgc gagtaacaag tatacaagat   540

gtgccgcagg gaagtggtaa gtcaaaatac a   571

<210>   8626
<211>   382
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f06a1

<400>   8626

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cagattttca taaaaagtca aattggtctt caatattaag tctcctaagt cctaattaat   120

gataacatta tagtaataag taatgcctaa caactaacat taacacctac cacaaccaac   180

gacggttaaa attaaaagga aaaaaaatgt acacactaac tccgggcccc actgaaacag   240

gtccatttgg tccaacctct tctctaacta tgactctttt ttttttctaa cctgaaaaaa   300

aaattcaaaa accgggaagc gacggtggct aaacggtgtc aggctcaggc acgtactcct   360

ttttccgccg catttcgagg ac   382

<210>   8627
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094f07a1

<400>   8627

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aagaatggtg atgctggtat ggttaagatg gttccaacca agcccatggt ggttgaaact   120

ttctctgagt atcctcccct tggtcgtttt gctgtgaggg acatgcgtca gaccgtagct   180

gttggagtca tcaagagtgt tgagaagaaa gaccccaccg agccaaggt cacaaaggct   240

gccgccaaga agaagtgatt gcattttggc aattttgcta gcacatgtga tcatcaacgt   300

ggtttcaaaa aaacttgttc ctttacagta gtttatcttt gcagagtctt aggtgtttgt   360

3891

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tttaccagtt atattttgaa gtgtccgccg atttcatgta gccgtagcct tcaaaactgg   420

gttcttgatc ggcggtaaca ttttcgttgc tgnttgtttt tgatgagtac tgatttttgg   480

tttgatggta aaagtctgag attttcaaat tcacaag                            517


<210>      8628
<211>      351
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094f07d1

<400>      8628

cgattgcgtg gtacatgtgt aggagtacca cctgcacctg cttggggggg ggggggggaa    60

taaatggttg gagaaaggaa agctaaaggg aacatagttt gttgtactac taaaccaaag   120

ccatgaaaat ttgagcctgc tggcgcaagg gcaaaagtgt acatggggat tagtaaaata   180

aaaaatacga tgtagtaaaa ataaatacta atcaaagcg gattcttcag taacaattta    240

cggggcaaac tgatgctgat agcaaagtcc tccatatggt aaaagagaat gccgaaaata   300

gatattgaac atgtgctaaa cagaaatgat gcgaaaacca ataccggggg g           351


<210>      8629
<211>      604
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220094f08a1

<400>      8629

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agatttaacc aaatgcaatt catatgaaaa aagccaatta attctttaca aagaacaaca   120

agtaaacgca ttaaaaaaaa aaattagaaa acaatataga tacgatcttt tatcctataa   180

ttttatcaat tatgcagata agaaagactc atatatttat ggatatagat ccctatttca   240

agtaaaaaaa aaccaagtga tttcttctaa ttacaacacg tataaaaaag aattattgga   300

tatcatagat aatctctnta tcaagaatta tatatcggaa gatgcgattc tagatatgga   360

aaacaatatg tatagaaagt attttgattg gatgggaatc aatagagaaa tactaaatcg   420

ttccatatcg aatccagaaa tttggttctt ttcaaaattt gtgatatttt atgacgcata   480
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tagggggtaac tcgcaggtta taccaatcaa attactttnt ttttcttcta atgtaaatca   540

aaatgtagtg aaaataaaag aacatactag acngaaaana atgatctctt gaatgagtag   600

agac   604

<210>   8630
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f08d1

<400>   8630

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gggtgtccag gcacagacag caggtaacag ggtcggcagt accccaggtg ctggggcttt   180

tagggtcacc gttgaatggt gaggtaacac aggtaagggc gagtgggtga acaagccgtg   240

gggtaggggt atgaataggg gcagggatag gagaacaatg ggaatacgat gccaggccga   300

gaattgccca cggattttga gagctctaag aagagagtgt atagtggcac aacaatgtaa   360

acggttgcca ggtatgagcc aatcagggac tagggtgtga ggcaggttta gttaagtaaa   420

agctgggtga gattgagggg tggttagagt gacaagtcta gtggttcagg gaggaggtgg   480

caggaacaca ggag   494

<210>   8631
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f09a1

<400>   8631

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gacttcgtgt agctgaagga gaatttactg attctcagat tattgtgatg ctgggtgaga   180

atgggacagg aaagacgaca tttattcgaa tgctggctgg tttattgaaa cctgacacca   240

tagaaggtgg atctgaggtg gagatgcctg aatttaatgt ttcatacaag cctcagaaga   300

ttagcccgaa gttccaatca actgttaggc acttgctaca tcaaaaaata cgtgatgcat   360

atactcatcc ccagtttgtg tcagatgtga tgaagccact tcttattgaa cagttaatgg   420

accaagaagt tgtgaatctt tctggtggag agttgcagag agttgctctg tgtctctgtc   480

tcggaaagcc tgcagacatc tatctgatag atgagccaag tgcgtatcta gattctgaac   540

a   541

<210>   8632
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f09d1

<400>   8632

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aggttagaaa ccaattatat cgagagcgag cacgatgagc cggcctatgg catataataa   180

aattgaacta aacagtcatc caaagcatag aagataggat aaacagagat gatgagggg   240

gggctggagg ggtaagacct cagaagaaag gaaatgtgaa aagccggcga acagaaatca   300

tatcaataga aattataagg agggttgcat ataaccgtcg gcatgacccg aagttaaaca   360

aatcacaaca aaggttagag ctagctagcg gtagagtaac cccgaccagc accgagctga   420

ttattattaa tatt   434

<210>   8633
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f11a1

<400>   8633

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taaggagaga gatatgaagc cattccactc acgtacacgg cccacacttt tggatatcat   180

ggggattgtg tccgtgcccg tggtgagagt ggccaaacta ccatacgcgg cacctaatgc   240

ttcaacgggt aaacatgggt aagcaaaaaa ggacaaacga tgcgcatagc atatgtggag   300

tagcgcttga gctgccaatg ccaaagcggt gtaaccggta aaagtgcggc ccgtaggcgg   360

tataatagtg gcagaaaccg caaatgtatt aaccgttgct gcgctggcca aggctgagcc   420

gactgagcct gcaacaaggc ccatggcaca gcctaaggtc agtaggacaa tagcggtgat   480

aagagccaca ctacaagagg tcttcactac ggttggg   517

<210>   8634
<211>   533
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094f11d1

<400>   8634

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cttacagtgg gcatacgtcg cctaagttaa ttcgtcaccg ccagggcata gctgttcagc   180

cgatgggggct gacactgctg cggttaacgc cgctagttat gcccagggag cacctttggc   240

aaggcacaca gccaccagtg catgattggc caacccgcg agtaaacctg cggcataagc   300

gcaatattag gaggcttttg ctgggccggc ctaagcattt aatgtactac atgctgaggc   360

ataatggaag ccggtaataa tggcagccaa tgcggaatca agccncggcc gctaactaaa   420

actggccact aaagcttaga ggcctacgcg tgtggctacg tgctaaactg ccgctgctgc   480

gttgcaaacg gttgtgggat tactagaggc tanagaggct cccgaataaa aac   533

<210>   8635
<211>   406
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094f12a1

<400>   8635

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ttgggtatgt aaggtggtaa accacactgt aaagtgtatg ccagaacagt aacaacacga   120

3895

gcatttgccg tcttactggg tgcacaaagt agcatcgagt atgtaatagc taaggaacat 180

tgtaagttta gaggtacatg gtaatacggt aaattgtgtg aaccattatg ttaaagtgtg 240

agggagcctt aaaaccgctg ctgcagaatg tgaagcccat ggaataagag tagtcttaag 300

ttgggggaca agctcaaaca gcaacttgct acaatgcaag gattgaatat aatacctgat 360

aaatccctgg acagcatcct ctgactaaag gatagaagca gcagcc 406

<210> 8636
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220094f12d1

<400> 8636

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tagggcagaa actaaaactt ataactttg ttgtttgtgc agggccgtgg tttcggtgga 180

atcaacgttg caaaataaac ccggggccgg ggcgggtgtc ttaatcggaa ggaaggccac 240

gggcagcagg cgtcggcagt gtgttgtaaa gtaattatta ttatctgtat aggagttcaa 300

tgagcttgtc ttaatctgaa tggccggaat aaaagtcatc tagtccacta actttccgtc 360

caattcgttc ttcgtatcgt atgttttcca cagtttcctc ctcatcctcc tggtgctctt 420

ggcacctata gctgtattat attatagctc cgggtaggtc 460

<210> 8637
<211> 583
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220094g01a1

<400> 8637

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tcagtcagag tactcgtccc ggaaagtttc catctatact ttttccaatt gaaattaaaa 120

atatccaacg cggcaaacac ggcagtgaca ctggagtcta cgatactgaa ggaaggtttg 180

taccttcaaa atttgaagaa atttttaaca agcatgcaca tacacatcca aatgctttga 240

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catatgatga gttaacggag atgataaagg caaatagaga gcctaaagat ttctcaggaa   300

ggattggtag tgtggttgaa tggaaaattc tttacaaact tgctaaagat aagagtggat   360

tactgcagaa agaaacaatc cgaggtgttt acgatggaag tttatttgaa caactgaaaa   420

aacaacactc ttcaggcaaa gagaagtagt aatattttc agacacgtat gtgaaaagaa   480

gaagttactt gtcgatctca gcanaattgg ttattnctat gaatttatat gctagtcagt   540

tagtcacaat atttcacagt gtcctgtcta tttttatgtt cat                     583
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<210>   8638
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094g01d1

<400>   8638

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gtggggtgg gggggggggg tggggaggcg gtgcgggcgc ccaggcccgg gggagtggtt   120

gaggtgcgcg tggggcaggg aggggtgttc aagagggtgg gacataggag agattaaaac   180

atcccctctt ggaagacaaa ataccctgaa tggagcctga cacaagatat agtgaattaa   240

tatcacaata atattaagct ctagcatgcc cctaataggt gatgctaaca atctccaaac   300

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acattggttg cccctattaa gtccattccc aagcggt                            397
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<210>   8639
<211>   316
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094g02a1

<400>   8639

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gcgaactcca agatcaatgg ctttctctt ctgcttaatg atcaatcact atacatgcgg   60

ggcgggaata aagatactca tcctctctgg tctacacatt aaacatacgc taaaaaagag   120

ctataaaatt acactaccta acctcatgct gtggcggcca cctcagcgcc aacactttca   180

ccactggatc agtgacgact gcaatgacca tgactgagaa gatactggac agagcttatg   240
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agaaggtaca gctgacccct ggcgataatg tcagggccaa tgttgaaatt ttgatgacac 300

atcatgtgtg cggccc 316

<210>   8640
<211>   551
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094g03a1

<400>   8640

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agaagcacga aaaagggaaa gagattacca cctggtccaa aagggttgcc aattttggga 120

aaccttcaca agttggggtc aaatcctcat cgtgatctgc atgaactagc ccagaaatat 180

ggacctgtca tgtacttgcg cttaggattt gtgccagcca taattgtttc ttcaccccaa 240

gcagctgaac tgttcctcaa gacccatgat cttgtctttg ctggtagacc acctcatgaa 300

gctgcaaagt atatggcttg ggagcagaag aacttggctt ttggtgaata tggttcttac 360

tggcgcaacg tgcgcaagat gtgcacattg gagttgctaa gccaaaccaa aattaactcc 420

ttcagaccca tgagggaaga ggaacttgac ctattgatca agaatctaag aggggcatcc 480

aatgatggag ctgttgctga tctcagtgcc aaggtttgca cactcagtgc agacatgtct 540

tgtagaatga t 551

<210>   8641
<211>   594
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094g03d1

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taaaattaaa tgtgcggtga attgttaaat ggggagctta ggtagcatgt agaatagtag 180

acaaaaacaa caatgatgta tcaattctca ttattattca taagaaaacc ataataatcg 240

tacgcgggaa aactagcaaa agctgcttat tgtttattct tccaccgctt gtttatactc 300

ctcttccgca ttctattcgc cgccgcccta gcaacagcca tgtgtatact attcacggct 360

gtatggccct gtgcggtaaa cgcctgtact ttccgcagcg cgcctggctg tggtagcggt 420

ggcccaagca gcaaaggcgc aagtcacaac ccaaagttgt cggcggggta tggcgtaaac 480

tagggcatgt gaggtggctt cgggagcaac caggtgctaa gggcaaatac cgccagtgga 540

acggtaaaag agcttccccg gtagtacgca ccacaagggg ccggtcacaa ctca   594

<210>   8642
<211>   509
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g04a1

<400>   8642

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aaggtacatg acctgtgcca tcttccaggt catatttgtt attggtttgg tttcattatc 180

attgtcatct cacatatccc tattgaagcc gagtggttgt ggcgataaag aattacaatg 240

tggatcacac tcatcatccc aaacggcttt gttctatctt ccatatacc tagtagcttt 300

gggaaatgga ggataccaac ctaacatagc cacatttggt agtgatcaat ttgatgaagg 360

ggaccctaag gaacgacttt cgaaagtagc attttttagc tactttattt ggctttgaa 420

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tntgggattc tgggcatcag ctggttctg   509

<210>   8643
<211>   570
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g04d1

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ggccgctacg ccggccgact actaggctgt aggcttggcg cccgccgct ataactgcgg 120

3899

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ctaagagcga atagacatgt aacgtaagga aatggcgcgt cgctgctacg gatgccgtaa    180

aatttgttat tattccagca caaagcggcg ctacggcggt cttaacttaa gggctcggct    240

tgtgctacgg ataacgtgat ttgattggta gggccaagaa attttaaaaa gctgggcctt    300

ggcttgccga aagcgccgtg ctaagccttg ttgaaggcgg caccgaagta gggcgactgg    360

taagatatgg gcaatagagg aaggatgggt accccgcggg agcaacaacg gaggaaagcc    420

gttgccatga ttatggggtg ggcagagtca ggaagctgga gcgaatagcg agcgaacagg    480

ngaagggaac acaaaaacaa ggaagaaaat ggaaggaaat agtcgtaaga agagagagag    540

agagacatga acggcaataa ggctcactag                                     570


<210>      8644
<211>      406
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094g05a1

<400>      8644

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ttacgcccaa aaggcttctt atgatatttt gtctcattaa catgctaaac tatgtggatc    120

gaggagctat agccagtaac ggtgtcaatg gaagtcttgc aacttgcact gactctggaa    180

tttgtacagg tggcagtgga attcaggggg attttaactt gaacaatttt caagatggag    240

ttctgtcatc tgcatttatg gttggacttc taattgcttc cccaatattt gcttctctgg    300

ccaaaagtca caatccattc cggcttattg gtgttggatt gtctggttgg actttagcga    360

tagctggatg tggtagtttc gttcgatttt tggtctattg caatat                   406


<210>      8645
<211>      473
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094g05d1

<400>      8645

accgaagcaa gtttggccgc tgctatcatg tgtaggagta ccgccttctt gggggggggg     60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggaaccacca    120
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ggcgtaggtt atggcccagt acttttatag cgctaggggg cagggatagg gttaatagcc   180

gagtaaatta ttccttatta ggggttaaag catgccgacc acgacgaaaa agctgacgag   240

ctgattcatg gggatttggg gaatatgaaa accggaagag atatggcaac tagaccgaga   300

ccttgaaaag gccaaaaaaa ggaaatggca tgccagcgac ccgtatgccg ctttgaaact   360

aagcctcgaa cggggttgtt gagaccgccc ctaaaggctc tataagtagc gggcctagag   420

atagtatggg gtaaaaacag gttgagcaat taggggatac cactaacaaa caa   473

<210>   8646
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094g06a1

<400>   8646

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aagcatgatg attgggcgac tctgaaggca gagttagcac cggtgtacat ggtgtgcgga   180

atggtggcaa tggctgtggc aattggatca cacactgcgt ttcaacaact ggcgcgttct   240

ccaactgttc atataaacaa gaagagaaga gagagcatgc cagaggtctc tgatcctgat   300

cgcaccttca actccgccac caaattcatc gatggttcct tcttaaggaa actctctcac   360

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cgaaccgctc acacct   436

<210>   8647
<211>   500
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g06d1

<400>   8647

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ggctgtagcc aaggcttcgc cgcctgggag ggtacagcgg agggagagaa gagagacaga   120

3901

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gagagagaga tataaactgc tagcacgaca acagtagcta cacagtgaag gaggcaacgc    180

ctcttctcgc acgtgtactg agttgaacat gaagcccttg agaagaaag aaagagaaaa    240

taggaaggcc tggagggata agagggtgga ctagacaaag ccaaaaggac aaaaaagaga    300

gaccgccaca aacggcgtag aggcacaaag acgcaaaagc aaacaaccag taatcctgcc    360

accccgcaat ctttatacgt ggtaaccgcg cactccggtc accacgccgc aaaccaggac    420

ccgcccaacc cgtcgccacg cgcacgnacc ggcgtggcaa gcgcacacac ggggtggaac    480

aaccaattag tcagcaaggt                                                500
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<210>   8648
<211>   518
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g07a1

<400>   8648

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cacaacacaa caccttttcc ttttcccttc cgttggtgcc attcgtgcag caccggatcc     60

tctcatttct ccggcgataa ctctcccttt tccggcgaat tcaccgcttc ctcgatatga    120

atcccgagta tgactatctg ttcaagctcc ttctgattgg agactctggt gttggtaaat    180

catgccttct tctaagattt gctgatgatt catacattga gagctacata agcaccatcg    240

gagttgattt taaaattcgc actgttgagc aggatgggaa gacaattaaa ctacagattt    300

gggatactgc tggacaagaa cgatttagga caataactag tagctactat cgtggagcac    360

atggaatcat tattgtttat gacgtgacag atgaagatag cttcaataat gtgaagcaat    420

ggctcagtga aattgaccgc tatgccagtg ataatgttaa caaacttttg gttgcaaaca    480

agagtgatct gacagcanat agagttgtct catatgac                            518
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<210>   8649
<211>   580
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g07d1

<400>   8649

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gggggtactc tgggagcagg gacaggtggg ggaggtgaga gcgtgagagc aagagagccc   120

ctcgtgcaan ccngtcatca ctgtatgacg tccttccttct ttggggggggg ggggggggggg   180

gggggggggg gggggggggg gggggggggg gggaccttag cccccccaaa agacagcact   240

acaaagggaa aacggggagt aggaataacg ctgaactgta aggaggctgg gtaacgagag   300

cccaaacaag cccagtaggg accctaaggt ttaaattata ccggccaagg atcgcaatag   360

gcccttaatg agggccccaa agactggagc ttttgggtag ctaaaaccga acgcggcatt   420

aactactatt attgccgggc caacagtagg aattatgggg ggcgttaata ccggctttgg   480

gcagtgctat gcggccacct tggctaggcc ggctgcaaac cgcctggctt tggtgaggtg   540

ggcagcctat aaaaaagcct tggaaaactg ggggtaaagg                          580


<210>      8650
<211>      491
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220094g08a1

<400>      8650

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aaagcaatga taagcctctt cacgttgcca tgctcccatg gctggccatg ggtcacatat   120

acccttactt cgaagtcgcc aagattcttg ctcaaaaggg tcactttgtt accttcataa   180

acagccccaa aaacattgac cgcatgccca aaaccccgaa acacttagaa ccattcatca   240

aactcgtgaa gctacccttg ccaaaaatag agcatctacc agaaggcgca gagagcacaa   300

tggacattcc gtccaaaaaa aactgattcc tcaagaaagc ttacgagggc ctacaatacg   360

ccagttccaa gttgctgaaa acgtcaaacc ctgactgggt ttctgatgac ttcgcagctg   420

cttgggtcat accaatagcc aagagctaca acattccttg tgctcactac aacattaccc   480

cagctttcaa c                                                        491


<210>      8651
<211>      583
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmf102220094g08d1

<400>   8651

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gtgaccgggg gcaaccgcct gacgctactg cttctgatac ttcttcggct ccttccggga   180

gagcttaggt gggtagttgt aattgtgctg actgtgcaca gccaacgctt cgggcctact   240

ctatcctcgc acactaaaca atcgcatcag ccgcctgttc ccgtgtagtt gtctcacccg   300

cttattatcc gtacgtcggc caacaaattg cacaggccgg cccgcaactg caatcgccag   360

ccggtatctc atttagataa aacggttgtt ctgccggcgc cgccgcggtg cacccatcta   420

gtactaaacg cctgttcgcc tgggctgaaa aaatgcaatt tgatggagct acgctattac   480

atacacggac aacttaggtg tatccctggc aagcgcctgg tacacagcaa gcggaacaaa   540

tgaaggcgcc acgtacatac gcatgtgcgc cgcactagcc gcc   583

<210>   8652
<211>   252
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094g09a1

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aaaggttcca tgtatgcttg ctatgccggg tggaagactc caacagcgat gcctttaaga   180

agcctcttgc cagggacccc acttacctat gggtccttga aaatggaatg accatgcaaa   240

gttttggtag tc   252

<210>   8653
<211>   283
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094g10a1

<400>   8653

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cgagtgtggc cattatgagc ccgaccatca cttgaaggaa ttaagcccca cagtgagcag   180

gtcctttacc acacttaata ggatgggcat aaaggtacct tgactagcaa ctttggaaac   240

tagtgcaaaa ataggggccc aaaaataagc accccccgcg tgg   283

<210>   8654
<211>   210
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094g11a1

<400>   8654

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cattgcagta agaagctacg caggaagagc tatccgcgct aggtcccaat gtcgcaggag   120

gaaagaggat tgtaggatag aatatacatg ctgtagaacc aaatagcgat tactgaggcc   180

catgcaggct aacccacagt gaaggaggta   210

<210>   8655
<211>   543
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g11d1

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gcgctggctg ctgctgctag acggcagtca aactagcata atagtaggcg ttactagttg   120

gggtaaccca aggctactgt cggtgggtat tcttttgtga atgaccgttg cggagtagcc   180

aagcacagat gggctgatgc gagtaaagca gttgcatata tagcagcatg gtaacttact   240

gaagaaatgg cacaaggtta atagggtggg cctgcagcgg aggcactacc agcgtaacca   300

gaagttgcgg agcagggata gcaaaccgcg cttgcagggg ttatacgcgc cagggacggt   360

gtggctacgg acacgcggat aataagagca gcggttggga acgctgacaa ataggggcca   420

ccagttgcaa tgcaaaaagc tgcgaaaact gggtaacgag cggtagggng atgccgggga   480

ggatgtggct ggtagaacac acgatgtgag ggtgtggata cgcactataa gggggtaaaa   540

ggt   543

<210>   8656
<211>   641
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094g12a1

<400>   8656

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tggtacaggt aacagaatat gtataaaata ctaggtggga atcaacaaaa aagctacgac   120

tccgaagana ttttcccgtt catccactcg tatcgacggt ccgtcccttc tattgcggtc   180

gtggggagac aggcccagca ggagagctga taaaactcta tcgaaccgct gatgtaaaca   240

tggaatacgc cacctagtcg cagcacgtat caactgcagt aaatgccgac tatagagatg   300

taaatatgag acaagataga ttagagggta taacggacat acagtagatg gtaagtttca   360

gaagacatgg aatacgccct tcactgaaaa aagcctgacc attgtgagac tgcctcacac   420

cctctgcata agaatgtgaa gcccatggat taagagtagg cattaagggg cagacaaaat   480

caaagatcga cttgcaacaa tgcaagaatt aaatattata aatgataaat ccgtgatcag   540

catatatgga gagtggatag aaccagcaga gtcatttacg gttgctatta ttcgagtttt   600

tgggacggtt aggaacacac ttgctactac tcccttaga g   641

<210>   8657
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h01a1

<400>   8657

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caaattttca taaaaagtaa aattgttctt caatattaag tctcctaagt cctaattaat   120

aataacatta tagtaataag taatgtctaa caactaacat taacacctac cacaaccaac   180

gacggttaaa attaaaagga aaaaaaatgt acacactaac tacgggcccc actgaaacag   240

gtccatttgg tccaacctct tctctaacta tgactctttt ttttttctaa cctgaaaaaa   300

aaattcaaaa accgggaagc gacggtggcg aagcggtgtc gggctcaggc acgtcctgct   360

tcttccgccg catctcgagg acctttcggt ggtggttgga gtgcaactcg ctggagaaag   420

tacggctaca ggcgggtcta tattccggta ataaccgacc cgacttgtag cggaccccac   480

acgcgttgca cagagtctta gcccc   505

<210>   8658
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h01d1

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agggagaagg tagtaaaggg gtagaaaaac gaaaaggcgg tggtaagagg aacgtgttga   120

acgttgaagg aagaagaata ggagacgaag aacgaagcgt gaatagtagt caacaatttc   180

attaataatg tagtaattat catgctatta ttttgtacaa taattaccaa aaggataagg   240

agaattttgt tcgtaatcat gataagggta atattcaatg tattcggttc cgctcaagat   300

gtgtatgtga tgttatttgg ggtaggggtc tacggaagga ggacggaagg gaattaaacg   360

gctgagggggg agacctccac caccaacggc tccatggcca agccggcgtg tcgggtcgtc   420

aacaggtgaa gggtgtccaa gaggtgtggg ttggttttct aattcgcatg cacaaacgca   480

aactcaaagt   490

<210>   8659
<211>   551
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h02a1

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cgcgacgttg cctttttgaa tcgtttcgaa tttcactttt tcgtttccct tcgttgtttg   120

3907

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gtactgtacg acgtcgttgg agcgatttca tcgccgtcgc gctggtacgg agaggttgtt   300

tgctacgttg cggtgttgtt gaaggatggc ggtcggagtg gagttgccgg aggggagaag   360

cggcggtggc ggcggaattg tgatggagtt tcccgccggt gatgaggaat cgttctcgtc   420

gccaacgagg ttgccgaaga ggctccggcg acggcttcgt gacgcggagt gcaagtctcc   480

gagcactgtg gaagaaatcg aagcgaaact ccacaacgct gatcttcgca gacagaaata   540

ctatgagaaa c   551

<210>   8660
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094h02d1

<400>   8660

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gccgcacaga tacatgggct tatagcgagt attgctcaca tgtcactagc gctttgaggt   120

ggtgtactgg ttactaattt aacgtcgggt cgggtactac tacggtcggg ggccgcaagg   180

ctactatcga tatatgtggg agagggcggg gtgtcactta gttggtgtag taagcgtgca   240

catcattggg tgtgagcaca actttggtgg gcttgcacac ttggcacaag aactagttga   300

ggacttgtgc ttgctgcaat atctcaggta atgggcggt taacttgtag ctcggtaggt   360

gtagactcta gggtaatgtt acggggctg ctggcatcta aggtagttac gtggctgaaa   420

tctagtgccc ttggaagtaa cagctg   446

<210>   8661
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220094h03a1

<400>   8661

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tttcaatcta ttatccatat tgtgatgaag aaggaacatg aagagggtct caagattgac   120

gttgctacac tcacagttac agtagttgtt gtgatgctgc cattgctatg cacatgtggg   180

gcaagcaacc tcgacccttt gattctaata ccaggtaacg gagggaacca actagaagca   240

aggttgacca atcagtacaa gccctctact ttcatctgcg aatcatggta ccctctcatc   300

aagaaaaaga atggatggtt cagactttgg tttgattcca gtgtcatact tgctccttca   360

ctc   363

<210>   8662
<211>   557
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h03d1

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acctaaaata ttgccaaata cacgggcacc atggctgctt acgcagccta caaaactgcc   120

agcgccacgt tgggcgtgtg caatgagcgc caccgggtaa ctggtgagtc catttccaaa   180

tgccgggcag tatcactcac acgtgaacca taaaggtact gtggtgccct agccaaccca   240

gcactaacca ccagctacac ctgagccgga cataaccgca gtggcagcca cagccaaact   300

ggaagcaaat gcaaggggct agttgtagcc gcacctggac tttgccaagc agccaacagc   360

tgcacgtagc ctgccacaac ctaaggcagc aacactggac taacgttgta gtggacacag   420

aaggccgttt tggggcgaat taaggcgaac ggagcagaga gcgagggaag aaagtggcgt   480

acggtgaacg gctgagaagg cagcaaatgt agtgggcgtt gaagcccgtg gcctggcgga   540

agtaaagtaa gggtggg   557

<210>   8663
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h04a1

<400>   8663

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3909

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aaaggtttta tgtatgcttg cttgttgggt ggaagatcca aacggagatg ctttcaagaa     180

gcatcttgca aggatcccag attacttatg ggtttctgaa gatggaatga ccatgcaaag     240

ttttggtagt caagaatggg atgctggctt tgctgttcaa gcttttcttg ccactaacct     300

aattgaagaa attggtccta cacttgcaaa aggacatgac ttcatcaaga agtctcaggt     360

aaaagataat cctcttggag attttaaaag tatgtatcgt catatttcta aaggatcttg     420

gacattctct gatcaagatc atggatggca agtttctgat tgcactgcag aaagtttaaa     480

gtgttgtcta cttctatcaa tgttgccacc agagattgtg ggagaaaaga tggaa˙         535


<210>       8664
<211>       560
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmf102220094h04d1

<400>       8664

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gattaggtat ataataatag tcagggcgaa gattagcaac gggggggtac taagacacgg     180

gtgaacggta gggtggcgct gcagcggtgg tgatttgggg gcttatgtat gtcataatat     240

tagaattaga aattatttta ggacacatcc tcatcggggc cgtgttaatc cgggaccaaa     300

tgggctctgt ccgggtggta ctttctcaaa tgttataaat tcggatcggc ccagggccga     360

taataaaagt gtccaataaa tccggcgcgc ccggcttaat acacatatgt tgtggaatca     420

tatggttccg cggtgtaaaa gaactaataa tccaaattgg cgatgttatc ataatactat     480

ttcaacttgt aatttccggg ccgttgttaa tcgggttagg caagttatan agaatagggt     540

acttaactgg ggccagatac                                                 560


<210>       8665
<211>       555
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
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<223>   Clone ID: jC-gmfl02220094h05a1

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cttggctggg cacaagcaat gcccaagttc tctaatgatc tggtgaagta tgtgcaaact   120

tttctggaga ggacttatga aagatgccga actgcataca tggaggctgt tcttgagaag   180

cagagttata tgcttattgg gaggcatgat attgagaagt tgatgaggat tgacccctca   240

agtgcatatt taccgaatct gcttggtcag ttaaatgtgg aaagtaattc atctgatgct   300

gaaacaattg aggctgaatt agaacttagt gaattactgc taagtttgcg tcctattaag   360

caggaaaacc taatccatga tgacaacaaa cttattctgt tggcatccct tagtgactca   420

ttagagtatg ttgcagactc tattgaaagg cttggacaga caactcaaag agcatcanat   480

catgtcgngg gaaaatacca tcacagtcat tcagacagtg cacctaccag gaagttagtt   540

tcatttgctc aagat   555

<210>   8666
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220094h05d1

<400>   8666

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gcacaaaggt ggtgtacatg aaaggagaaa taaaatctag ggaggggaaa gtaggcctag   180

ggtgcaaagg ttaaaaaaag aaagaaaatt gattgaagta gtgcgaggag cagaagcggg   240

ttgtactact aggaggggga ggaggagagt gatacagcca tgcagactta cagtagttga   300

cgaggataaa aagttactac gcatatagga taaaagtaat ggttggcgtt tgccggcact   360

agcaacaatg cgaataaata acgtttgaca ccaagtggac ggttttaatg tgagacgggt   420

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gcaatgccgc gcgccaacag aagaagccaa catat   515

<210>   8667

<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h06a1

<400>   8667

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acagttattt tggagaagca aaatcggcaa ttgagttttt tgctgaagct ggtttccctt   180

gtccacgtta aagaaattct tctgatcact tcctacgatg tatcaattct gatttcgaca   240

ttgtaacagc tacactgaaa ggatctcaaa gaattcatga tgttccaaat tcagcagatc   300

ctttcatgaa tttggctacc gcagagattt aagcaacact atttgagaaa tataagcgtt   360

caacatatgc ccgaagggca aaaaacagaa ttcaagaact gtgtaccgat gaagggcttt   420

aacactcaac acaacatgga agtcaagctc gttggttgga gcaactatta accgtgacaa   480

agagatcatt tgtgaacatg tgtagag   507

<210>   8668
<211>   347
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h07a1

<400>   8668

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attcataaac caagcagtga agtctttgca ctctttgatg acctcttctt actatctggg   180

ggcgaaacag ttattttgga gaagcaaaat cggcaattga gttttttgct gaagctggtt   240

tcccttgtcc acgtaaaaga aatccttctg atcacttcct acgatgtatc aattctgatt   300

tcgacattgc aacagctaca ctgaatggat ctcaaagaaa tcatgat   347

<210>   8669
<211>   566
<212>   DNA
<213>   Glycine max

<400>   8669

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gttacgacgc cagttcaact tactggtact gtgcactcga caagttaaag ttgcaattgt   120

aataattgct cctagtatta gtgctgccag gagtaatacg agtattttgc gaagttctcg   180

tcagtatctt tctgtttata gtacgcgtag gtgaataaat gaatagggct ataaaatatc   240

ttaaaaccac gcaacagtga ataactaag tgcgcgcgcg gttcttagca atcaacaata   300

atacgcgtgc tggtgtactg tactggtgtc tggtgccttt tttaaaccac gcaactgagt   360

cgatcctatg ctccctggta cccttcagct agtatggtgt taagtcatcc gcgatacacg   420

cccaagttgg ctactttgga cagtctgtaa catttctgtt cgtagtcctt gtagcagtat   480

tcttgcatat aatanacgtg ttcagaatcc acgtaaaagt ctgcatttaa ctcctcctag   540

ctgtgtgtac taggcccaat ttggtc   566

<210>   8670
<211>   423
<212>   DNA
<213>   Glycine max

<400>   8670

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aggatcacac atatttcctg atgttttgct caacgatatt gctggcccag aaggagatcc   120

tttgctgttg agtttaaaac tatccgtaga tgttttggct gtttcttgtc catgtgcact   180

gggtcttgct acgcccacag caatcttggt tggcacctca cttggggcaa gaaaaggact   240

tcttattagg ggaggggatg tgctggaacg cttggctgga ataaattata ttgctctaga   300

caagacagga acccttacca aaggaaaacc agttgtgtcg gccataagct ctatcctta   360

tggagaatct gaaattcttc ggcttgctgc tgcaatggag aaaacagcat ctcacccaat   420

agc   423

<210>   8671
<211>   502

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094h08d1

<400>   8671

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gtaagtaaag gcacaggaac caggcaaatg actattaacg aaggaaacga aaatcataaa   180

ccagagtgac ttggataaag gataacctag acgggttggc ataagtaacc caaccaccac   240

cctatatata aataattgtg tagttgaaat ttagtgagaa aaataggtat actatagcta   300

atatcctaga aggagtgaat aaaccaggga cagggttaaa aatataagtt ggtggaggtg   360

gtgactaagg gctgacgacg ggctggaagt aaactggcag cactcatgtt attccttgtg   420

taacgacgtt gttaatcaca tcggngctgt aatctgctat agccacactc acgtcgttga   480

tatagcaact aagctaaccg gc                                           502
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<210>   8672
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h09a1

<400>   8672

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tttcaatcta ttatccatat tgtgatgaag aaggaacaag aagagggtct caagattgag   120

gttgctacac tcacagttac agtagttgtt gtgatgctgt cattgctatg cacatgtggg   180

gcaagcaacc tcgacccttt gattctaata ccaggtaacg gagggaacca actagaagca   240

aggttgacca atcagtacaa gccctctact ttcatctgcg aatcatggta ccctctcatc   300

aagaaaaaga atggatggtt cagactttgg tttgattcca gtgtcatact tgctcctttc   360

actcaatgct ttgccgaacg catgaccctt cattaccacc aagaactcga tgattacttc   420

aacactcctg gggttgagac ccgggtccct cactttggtt ccaccaactc tcttctctat   480

ctcaatcc                                                           488
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<210>   8673
<211>   563
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h09d1

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tcttactaaa tgcacacaat atgtaacacc ataactaaa cgggctttgt taatgtaatt   180

atgctgttgc ctatgtggtg gtacagtggg taccgtaggc caatgcaccc ggccccgcca   240

tgtgagacgc cttgtaactt ggtgtggtgg ccaatgctgc tggtgtacca agggatgatg   300

agggtgagta acgggggaac aataacctac ggcttaggct actgctatcc agccgcaaac   360

cctcgccaca gccgatgcgg cccagcgggc cggcctggcg gcgcctgctt aggctgcccg   420

ttggcaagcg cggcggtata aatttaagag cccggggccg catgtccagc tacatgtaga   480

tgtaactata aaccaaaagt agccatcaaa acaaacaact gggaaccaac ctgctggtgc   540

aaactattag actacatgta ata   563

<210>   8674
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h10a1

<400>   8674

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ggctagaccc ccacaatgac tctcatcttc cacatattcc cccttgaaac tgatgtaagc   180

tgccagcgtc agaaccgatt aacctggtaa ctgacgcttg aaacactatt atctatgctg   240

cctggacatg tgctatgcag caccggagag cgttccgtct gaatccgata gcagtactgc   300

ccacgaatgc aggcgaattg caacttctca ggctagtggt tggagatatg gttattaagc   360

ctatattgcg ctacttacgg catatagttt gcgattacgg tgcatcatag gtagtgctcg   420

gttcatctat gcagctagag cagctagccc tgctgatgat agagtcgctg agtgtgacga   480

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<210>   8675
<211>   585
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220094h10d1

<400>   8675

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cttttggggg gtggggttcc cttgggctta aggtgtaagc caccggttac aaagccaacc   180

taacatgcaa acgtagagca tagtactact acttgggcgc caaccccccc ggtaacaact   240

ggcgcagcag ctggctacta gagcttggca ccaggggggct aaaacgcagt tgcttatgcg   300

tatgaaggct aactagcacg gttattgcta cgctaggtgg caagcctatc ggggaagagg   360

ggggtagcgc gcgtgggtat aaaataaaca gagggacgcg gaggggggatt gtgagcggcg   420

tagacccgaa gagaggggggc cggtaaggcc ggttgcgaga ggaaaagccg ggtgtagcaa   480

aacggacaat gncaacgtga agaaagctag ncagggccat aaccgctgag atgaattatt   540

gataaaaggc cgactactgt gaaatcaaac tanaagacaa agaac   585

<210>   8676
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h11a1

<400>   8676

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gggggggggg ggggctcgta aactttaatg gggagggccg gtggaatgga ggaggtattt   120

gataagagcg aattatcgga gggtcgcagg acaggccgat aaatggaggg ctatgcggta   180

ctaagaggtg atagacgcga ataaacatag gaggtataga gctggattat aaatatctta   240

attgtagagt gtaagtagag ctacaaaggg ctagaactgg ctgaaacggc acaacattaa   300

3916

caagggcaag taatttaagg agagctcaga ccctgtaaaa agctagtacc aagattaaac   360

caatgcatta acctaacgct cgcgccgtca acgcaactat acacggggcc tatggaggga   420

cgtatgctac aactaggtga gcggcataac gagttagagc caacaaacct acaag   475

<210>   8677
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h11d1

<400>   8677

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aatgaaaaag acttgcaatg aaaagcctga gctggtggtg taggttatgc ggttgagtag   120

ttaggggatg aggtttaaga gtaactctaa taatcggtgt attttaattt ccaagtgctg   180

atccttactg tccacataat tggttattca tctcacaagt gcgtgtttgt agaattgttc   240

gttagctcaa ctctcgcaac tgtgatcatc tcaatttagt tagttgttat ctctggtaac   300

atatctcttg ctaacgggtt agtagccgtt ttaatcattg tagtggcaat agtgttatca   360

attaaatttg cgttcattac gcccgtgttc ataatcgtcg atttgattat ttttctattt   420

gtagttctga ttgttgtcgt cctaatcaac gtattactat t   461

<210>   8678
<211>   599
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h12a1

<400>   8678

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cacataaaca cacatagcct gaacgccgcg agcggccgcg ccggtggct gtgcctgcgc   120

ctgataacgc ttacacagcg gtttaagttt aaccagctgc cgtgtaagca ttacaacaat   180

ggtagtactg agccgccacg gccgcctgag gtgccaaggc caactaagcc atgattgggg   240

ccaccgcgtc caagaccgcc gccgaggcct ccgccgccat ggccgcctcc ttgtcctcct   300

attattccca gaccgcccgg cccaccaggt ccaccgttta ggccgcctcc gccgcggccg   360

ccgccgacta gattgtagct gattttggca gagcaatagc tagctagagc caagggtggt   420

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gtcgcgtcgg gagtggataa ttaggcgaca cgggaaggca ggagtcttga ggcaaaagaa   540

ctaaaacaaa gacgacgaga gtgggcgaag cgagcagcgt agggttcgtc agtgggctg   599

<210>   8679
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220094h12d1

<400>   8679

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gggggggggg gggggggggg gggggggggg gggcggggggg gggggggggg gggtaaaaaa   120

gcttgggaaa tacctttag ggggggaaa aaaaaataaa ccccttaaa cgttttaata   180

atggaattt ttttaaaaaa aaacgtttaa attagcgcca atggggtga tgaggagggc   240

attttagtta taaaagctca gtgggaagga attgggaaaa ccctaataat aaagggcagg   300

tcaataaaat ttaaatggag gggagtataa tccccgtggg aaaggggggc gtttaccccc   360

tggggggggg ggggtttaaa tagatagcgg aagagtaaat tctattaata ttgggga   417

<210>   8680
<211>   596
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a02a1

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aatggtcggg tagatgtaat gcaaaggcct cagaaatgta cgtgcatagg agcaagcggt   120

tgtgccatgg accatagtca agcaaaatta gcattaagag aaatgtagcg aagaggtaca   180

ggtatttatt taacgtcgac taaattgccg cagcacgaat gctatgaaag agaacccgaa   240

agagataaaa gctattaatt aatagaccct ggctaaggct agctacctgt tgtgaggtag   300

gcacaaacag ctgggtagtc ctaaaaagcc taagtggaga gggtaaccta gcaatgcaat   360

3918

taaagtgcac agtttagcaa aactgtaaat acagctaacc ggcgcggccg caaacaatac   420

ttttaaacga gcaatgtacg tagtaaccga agaagaacat ttcctacatg gggcggtgtg   480

cgttggccgg caagtaacgg gcggcagttg gccctcaaaa ggacggcccg tttggtgaaa   540

gcgcagagta acagcgcagt acaaaaccgg tagcttacat aataagcagg ctccac   596

<210>   8681
<211>   286
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a02d1

<400>   8681

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ttaactcgga gatacttgtg tcgggcttcc attccaaaat ctcttccaaa tgcattcttt   180

ttgttccctc cataaggcat gttatttcca aaggcaacga tacagttgat ccaaacaatg   240

accgcacgaa tggaccttgg cacactgttg gctgtgacca aactct   286

<210>   8682
<211>   616
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a03a1

<400>   8682

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ggcttacacc tgtggtagga gcggataacc gagataagtg atcccgggta ttaccaaaaa   120

caaaagagac aataatatgc aggcttgggg ttaggattgg ccgaaaagcg gacacatgcg   180

gataggagga agccaaacag gtggccaatg ggggcagcga cacctagttg tgaaccgtag   240

gtggttcatg caaaagctgc ctgccggacc ggggccaacc cctaggggag tatggctgac   300

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taagacggtt aaatagggt tgctatatta gagggttaa ctagagaaac gaacatgggc   480

cttataggtg cagacagaca aattatgcgg tgggggttta tatagcaggg tgacaataac   540

aatgttagac tgcgaacata gtacaggtat gcaaaataag ctggttagaa tagatgtgcc   600

acatagcgag gtagac   616

<210>   8683
<211>   411
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a03d1

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atttgccgaa taacttaata ccatccagaa aatctagttc aaagaagtta cataaggaca   120

tctttcagct acagaaacag attacatcaa ataagtttgt ctaaactacc tcactctctt   180

tgaatttcat cacattactc gtccttttac tgcttggacg taatatcttt aagcttttcc   240

ttcaaatcac ccgtctgatg catattaaga acaatatctg atccaccgat aaactctccc   300

ttaatgaaaa cttgtggaaa agttggccag ttactgcaga gaaagaacac acgagagaac   360

agtaggacat cacaaaaagt atatttgact tttctgtcaa taattaaact t   411

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<211>   270
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a05a1

<400>   8684

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attcctcggg gaattccaat tccacatttt caagaaataa ggaggcaaaa atgttcatat   180

atgaattgga attatttgtt ttcttattag gcctatcctg aagccaaagg aaatgagatc   240

ggaattcctc gggggtaccg agctcgaatt   270

<210>   8685
<211>   240

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a05d1

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attgaggaag agcccctgga ccccacctaa gggatgcaaa ggtgtccccc ccccgccccg   120

aaaaaaagaa aggatcttga gtgagggata aaaggggggtt tttcgaaaca ttagaaagaa   180

ttgtccccgg gttcaaaaag aacacaaagt tcccacccctt aggagggcgg aggaggggggg 240

<210>   8686
<211>   516
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096a06a1

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atgaaacttg ggctttcatt ttcggtcttc taggcaacgt gatctccttt atggtgttcc   180

ttgctccatt accaactttt taccaaatct acaagaaaaa atcatccgaa gggtttcaat   240

cactaccttta tgttgttgca ctgttcagtt caatgctctg gatctattac gcacttgtga   300

aaaaggatgc tagcctcctt ctaattacta ttaactcctt tgggtgtgtg atagagacaa   360

tttaccttgc aatcttcctt gtttacgccc caagcaaaac caggctttgg accatcaagc   420

ttcttctcat gttgaatgtt tttgggtttg gagggatgct tcttttcaaca ctataccttta   480

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<210>   8687
<211>   541
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096a09a1

<400>   8687

3921

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gagttgagcc ttggaacctt ccaacacttg ctggggagct ttgtcgtggg gacacggagc   180

aatggttttt cttttcgccc ggtcaagaga gggaaaccag gggaggcaga cccagcagaa   240

ccacagcttg tgggtattgg aaggctacag gttctccttg ctatgtttac tcttctcaca   300

acaaagtcat tggggtgaag aaatccatgg tcttctacaa aggaaaagca cctatgggaa   360

caaaaaccaa atggaagatg aatgaataca gagccatcca tgtcccttcc caatccaccc   420

ctgccaccct tcatttgaca tgtgaattca gcttgtgtcg ggtatatgtc atatcggnga   480

gctttcgagc atttgatcga cgaccattag agaaagaagg agcagagtcg cgggttcata   540

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<210>   8688
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a09d1

<400>   8688

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agctgacata atttattgtc agtttaattg acataattta caaggttggt gtaggtgaaa   120

aggaaataca tggaagtatc gtctacatac aagctatctg caaactaatt ggggttaaat   180

aacaaaaatc cttcttaata tgacatgatt ttctatgcta actttcctta atccaattct   240

aaacaaatat cggatgaatg actatgtatg tatatataag acttggttga tgtcatattt   300

taatgagtca tttccctgag gagtctttct taaggtctca gcatgtggct ttgagttaga   360

gccaattaaa atgttcccat tccaattccc acaacggttc ttgaagttgg aacccattct   420

cattattatt attattattc acatcccact ttgcgctact tg   462

<210>   8689
<211>   233
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096a10d1

3922

<400>   8689

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cattttтgcc tccttatttc ttgaaaatgt ggaattggaa ttccccgagg aattccgatc   120

tcatttcctt tggcttcagg ataggcctaa taagaaaaca aataattcca attcatatat   180

gaacattttt gcctccttat ttcttgaaaa tgtggaattg gaattccccg agg   233

<210>   8690
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096a11a1

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acagggagca aaggctcaac ctttggttcg accccaccaa ggattttcac tcatactcta   120

tcttctggaa tcaacgtcaa gttgtatttt tggtggatga gacaccaata agggtgcaca   180

caaacatgga gcacaaggga attccatttc ctaaggacca acccatgggt gtgtatagct   240

caatttggaa tgctgatgat tgggccacgc agggtggtcg cgtaaaaaca gattggagcc   300

acgcaccatt cattgccaca tacaagaact ttgagatcaa tgcttgtgag tgtcccgtgt   360

cagtggctgc aatggataat gctaagaagt gcactatcag ggagggcaag aagtattggt   420

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3923

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aagactggcc ttacaaggat accagtcacc actgttgcaa acatttgaca cttgggctgc   240

tggccctttg taatatccat gccaccaaca agctactacc actactattc agcaacccgt   300

taatttagaa cagttatgcc gtagtttaac ttggtagcgg cggcaagagc atactacctt   360

taacctggtg actgcccggc agctatacgc ttccgcagac ccagccgcct taacgcaatt   420

agcaatattc taaatttaag gccaacgccg cttaatatcc aatagccct gtacttcaag   480

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acttcaaaga gataacatat gtccagagag gatggctcat ctagactagt ggagttagtt   240

tcatccatta tttggtgaag acttcaagtt catgattctc tcaccagaat ctgtgaataa   300

ccaacaggga gaggtagatc aagagggagt tatcccttc atatggtaaa gaagtcaact   360

acttgtttta ctttctttat ccaaagaag aaagtcaact acttatattt gatacaactt   420

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3924

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acctgtttct tttaaacaaa cttgttaccc cagtcccttc acatattcat acattttggg   240

ccgagttccc tcttaaactc tttcaagatt gtcagcccac gtggcgtcca catgatcccg   300

gtcagttcgg gccctgaacc aactttctcc acgattgcta cggtcactgc catgtctgcc   360

attacaattg gctcaacaat cgcctgcccc atagtaggcc aattaccatt cactgtctcc   420

atcgcaacgt tatcttcggg tacattgata ctcaccgcgg gccctgttac aacggttcgc   480

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aaagactctt cttcttaaga ggaggatgag aaggtgtcaa tgatggttgt gtggagtggg   180

tcactcaagt gggtggccca gttgttgagc gggcccttgc cggtggcggc ggcttggact   240

gcaaagccca agaagcccac catggcaaga cgggcgtgct tgatctccgc caattgaagg   300

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cccgggggcc aaatttaagg ggggcaaaaa tcttttaggg gccgaaaaac ccccgggggc   360

aaaaccgccc cgggtaaggt aaaaggcccc ttcttggagg gccccccggg gaggtgcccc   420

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taaaaagctt ttattctgat tacatcattg ccacacttct caggaagagg gatttcccac   360

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ggggggggg gggccccaaa ttttttttca aaaagcccgg ttgggaaaaa aaaaaccaac 180

ccttttttaaa attttttttgg gtaatccctt taccgtgccc tgttaaaaat ttttttgcc 240

ccccaatatg gcctttcacc cccaaaagga caaaaaaaaa tttttccccc aaacccccc 300

cttccccgaa aaaattaaag atttaacccc catatcccca aaattaaaat ttttaaaaac 360

agcccccctt tttggcatat tccccaattt ctgccccctt tttttttttaa aaaccccccc 420

tcaaaagggc taaatttta tttcccccccc caaatttttt tttttgaaaa actttcccct 480

aaatccaaaa atgtctgaat tgcgttcccc caaaaaacct tcccctttttt ttggggcccc 540

cccctattgt aaaaattttt t   561

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<223>   unsure at all n locations
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actacaatca gtcgaagaca ttgaaccaca attctcccta ggaagtttct tgtacaactt 180

tcagaagttg ccacgaaaac cattaatcgc aagatggatt acattagcaa tagctagcaa 240

tacacgtctg acctgcttta ccaatttaaa ccactccaca ttatatatgg ctctaatcta 300

tcattttgga tgataaatat ggcttgatct aaaacacaac aggataggac agcacttgta 360

tttatcaaac tattgtcaat ttccaattat aaagtaatca gtttcatgca atgggttcaa 420

aatacgctgg caagcaaagg aaacttaaaa agacatccac gagttacttc atcaagcacc 480

agtagcctca accatttctt tgtccacggt gcttggggta actgggtagt aatggtaatg 540

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gcttgcatgg ctcttcgggg attaattgcc tttgacatca cacaaactgg tatggtcaaa   180

atccaaagtt tttccacaat taaacaaaaa ccttaaccga aaaccaaagc tcgc   234

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<223>   Clone ID: jC-gmf102220096b06a1

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agctctactg cctcgagcac ggcatcgggc ccgatgggca aatgccaggt gacaagacag   180

ttggcggtgg tgatgatgct ttcaatactt tcttcagcga gactggtgct ggaaagcacg   240

tgccacgtgc agtgtttgta gatcttgagc ccactgttat tgatgaggtg agaaccggaa   300

cttaccgcca gcttttccac ccagagcagc tcatcagcgg caaagaagat gccgccaaca   360

actttgcccg tggccattat accattggga aagagattgt tgatctgtgc ttggaccgca   420

tcagaaagct tgctgacaat tgcactggac tccaagggtt cttggtcttc aatgccgttg   480

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atcctgatga ggtctctggg aggtaacccg acgcaggccc aactcaaagc catcgtggct   180

gaagagaacc tcacggcccc cttcgacttc ccccgattcc tcgatctaat ggccaaacac   240

attaaacccg aacccttcga tcgccaactc cgcgacgcct tcaaggtcct cgacaaggac   300

tccaccggct tcgtcgccgt ctccgagctc cgccacatcc tcaccaacat cggcgagaag   360

ctcgagccct ccgagttcga cgagtggatc cgtgaagtcg acgtcggatc cgacggcaag   420

atccgctacg aggatttcat cgccagaatg gtcgccaagt aacgccgatt ccattctctc   480

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tactagacgt atagaaaaaa aaaagttatt gatatgctta ttgaactaac gggtttgcaa   180

ataagcataa ttctgctagt cctgttgaaa agagctgcag tcataattct agtatgttta   240

tagaaagctc attttgtatc atgtatgtac tgtagctaaa ctaagtttca ccctgaactt   300

gcttgtgagt ctgctctcga tagaacagtc ttgtacagta acgaaaaacg ctgtaaccag   360

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3929

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tgaatttcat cacattactc gtccttttac tgcttggacg taatatcttt aagctttttcc   240

ttcaaatcac ccgtctgatg catattaaga acaatatctg atccaccgat aaactctccc   300

ttaatgaaaa cttgtggaaa tgttggccag ttactgcaga gaaagaacac acgagagaac   360

agtgggacat cacaaaaagt atatttgact tttctgtcaa taattaaact ggcagcacc   420

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gcgtttccga tcttcaagca gcggtcgtgg tcgtcggacg cctttcgaga cgaggcgtgg   240

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3930

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tgcatgctct tcggctattc atgcctttga catcacacaa ctgctaggcc aatatccaga   180

gttttccaca ttcaacaaat acctaacgga aaccaagctc gcagacgaaa tcaacagccg   240

caacaccatc actgtcctcg ccgttgaaga ctcagccatg aattccattg ctgccaagtc   300

cccagaagcc attaaggcca tcattagcac ccatgtcatc cttgacttct ttgatgagaa   360

gaagctcatg gaagctcaag ctaatagcca acagttgaca accctattcc aggcctcagg   420

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atgaaacttg ggctttcatt ttcggccttc taggcaccgt gacctccttt atggggttgc   180

ttgctacatt accaactttt taccacatct acaagaaaat atcatacgaa ggggtgccat   240

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3931

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ttcagggtca cgtgtgaatg ttaaggtaac acaggtaggg gggggtgggt gacgaagcgg   240

tgggggaggg gtatgaatag gggcagggat aggacaacaa aaaaaaacga agggcaggcc   300

gagaattgct cacggatttt gagagctcgt agaaaagagt ataaggggc aaaacaatta   360

aaaggtgcca ggtcagagcc aatcagggac gagggtgtga ggcaggttta gttaagtaaa   420

agatgggtga gatagagggg gggttagagt gacaagtcta gtggttcaga gagaaggtgg   480

cagaaacaca ggagtgagca gagttaagaa ggtggggggga gatcgcggcc aaggacaaca   540

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<223>      unsure at all n locations
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agctggtgca cgttctgcca aatggggagc agtgctgaag attggtgcca acaagccatc   480
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ggagctgtct atccatgaga acgcctatgg cttggctaga tacgctggca tatgccagga   540

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ggccggttaa aatgcgaagg ggcaaaagaa gaggacaacg gtagggatac aaaagaaggg   180

gtttaatatc tggatgagca catggggaaa aatggaagaa tgcaagcgag aaaatgaagc   240

tagccttgat cgatcatggg gaggggact ttgaggcgga tagggcaaag tgtcgagtaa   300

taacaaatag cttaagggaa agttttatat aaaagggaag ggctacataa tccagtgaga   360

aggcctccgt aaatatttgc agtagggatt ttcaaaataa aggatggaaa ttcactgtac   420

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gccctctgcg aatgtcttga aggaagctgg tgtgcttcct ggactcaagg ttgacacggg   180

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tcagcgttgt gccaagtact actaagctgg tgcacgtttt gccaaatggc gtgcagtgct   300

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taagacattc cgaatatgtt tgcgcggcta aaaggctgct aggggcaaaa gagctaaaac   180

gccagtaggg tagtaacgaa gcgtaggcgg gtggagcccg cgtaaaagga tgataccact   240

gggtgtagta aagggacctg cgcttgggga atgtacaaag caactggtca ggtgcttggt   300

agcgtagaat ggcctgatgc agagtcccca ctaaattgcg ttagggcaca gagacgggtt   360

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atttgcgtta tgtataggtt cttacaaatg ggaaatacag gagtgtggag catagagctg   180

tggctcatga ggagaaagct agactctcaa ttgtgacatt ttttgctcct agctatgaag   240

3934

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acaatcatgg agagtacagt aaacactatg taacaaacaa gttacaaggt aaaaagaccc   360

tggaatttgc caagatccaa accaagaaca caaactagga agttccctaa ctagttagga   420

gaactataat tagactgact aatgactgtg tgtgtagaat taattatcta ccacataaaa   480

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<210>   8714
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<223>   Clone ID: jC-gmfl02220096c04a1

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gggggggggg taatattcga aacatgggga gtgggtcaag taagtccgag agtagccgga   120

gatagcatta cacggtgtcg ctaacaagag ctgtataagt aagacaaagg aaaaatgcgt   180

cactgaaacc aggtgtgcag tagtgggtga gttaaatcaa caaagcaggg gaaaaagaag   240

ggtggtgata ggggcatata agggtaaaga tagcggaatg aatgatgcgg taaatatggc   300

caataaaaca aaaaactagt atgattcccc ggtgaatgtg gtttgcgaag tgccaggtgt   360

tggtaaaagg atcaaattgg taacaaggcc gcagacccca agcgaggggg ttcggcttac   420

tgtactttgc gttttactac ttaccacaat accccgccac gcccgtgcaa acttacgcag   480

gcg   483

<210>   8715
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c06a1

<400>   8715

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tcacaggaca taatgggggt ccagaggaaa aaccacaacc ttaacacctt tttccaccaa   120

tcccaatcca ttttcccact atgctcttaa actttccccc attttaattt ttttcacctc   180

tttcacaaat tcccactctt ttccttttac cctttaaggg ctctcccttt gttgcaccgg   240

ggttttctgc ggcggcggcg ccccggggg   270

<210>   8716
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c06d1

<400>   8716

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gagcaacaac gttttacgga aacatgaaat ccaatttacc agatgggcaa aaataaaaat   120

aaaaagccag ccaatttttag aacaaaccga ttggggccgc ataacatgta cccaaaggtc   180

ccaaactcca cttttactac cattaaagta ttattccgca aaccggccat acacttttag   240

gaattacaat cttcttcacg ttggagggga gagcaaaccc actttcgcat cacattgtat   300

aagtaagaca caggcgtctt tacattttag tgtcttcaca tatggggggg tgcttcaaca   360

tactttttct ccttatcctc ggactcccct ttaacctcaa aaggggg   407

<210>   8717
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c07a1

<400>   8717

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gcgacggaat tgctggagca gcagcacgcc acggcgacgt tccgggcggc gaggcaagcc   180

ggagagtggt acggaaacag acagcagcaa cagcaacaga tttcaggcat taatgctgac   240

tcagcagcag ccatgcaact ttttctgatg aaccctcaaa cgaggtcgcc ttctcctcct   300

caaagccaca ctattccttc ttcaactctt cacatgttgc ttccaaatcc ttcttccaat   360

tccctccaag gatttactgg ttcggccgcg ggagggtctt ttggtcaatt cacatgggtt   420

cctgagggtg ctcaccaaca aggaggcgtg gtggaagggc aaggtctttc gttatcgctg   480

tcttcttcgt tggaggcagc g   501

<210>   8718
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c08d1

<400>   8718

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ccggtggttg gagtattcaa aatcattcac caatgtatgt tccttcttag tgggttcgga   120

tgctctatct ataggaggaa catacgttca tgaaatgaaa gaaacactat ccctacagt   180

aaaaacgatc ccctaattc aaaattccca atgtcgacat agtgaaatta ataatcatt   240

atatgatcgc gtaacgaaag ctctattttg cttggtttgt ttgattcctc cttcttcaaa   300

gtgtcacgct agggaacttg caggatccat aacttggatc ctttgcggtt tgagttgcaa   360

gcccattgaa gtaacaagtt ccgccaacct tcctaaactg cgcccaataa gcactaaacg   420

catagctcgc gtgccagaaa accgaatcgg gtttaaaaca cttccccttc gattggatcg   480

ggtcgcacgt gccattcccc t   501

<210>   8719
<211>   527
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c09a1

<400>   8719

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cgtcccactt ctaccccga caatgcctca cgccaaaacc tcccaatcgc agcagaacat   120

aaagcagagg gtactcacgt gcctaacgaa gctctcagac cgcgacacac aagccgcggg   180

agccaccgag ctcgagtcca tcgcgcgtac catagaccca cactcggttc cagtgttcct   240

ctcttgcatc cactccaccg actcctccga caaaaccccc gtccgcaagc aatgcgtgca   300

cctcgtcgcc accctctccc acgcgcacgg cgacgcgctc tcgccgtttc tgtccaaaat   360

catcgcctgc ctcgtccgcc gcctccgcga cccggactcc tcggtccggg ccgcgtgcgc   420

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cgactccgtc ggcgcactct cggcgtgcgt cacgaggcag cctttcgccg ccgcgttcct   480

caagccgctc gcggaggcgc ttttcacgga gcaggacccg agctcgc                  527
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<211>      271
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096c09d1

<400>      8720

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atgaaacaat ttagaaaagg acctgggttc cgggattttc tttatctgtc aaaattgttc   120

tattctgagc agtctcacca gctagttcag ggcgaaacct aatttaattt cagttcttac   180

ttgattcaaa atgagctttc tataaacagt ctcgaactat gcctggattt ttttttttaca  240

ggactagctt aattatgctt atttgcaaac c                                   271
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<210>      8721
<211>      554
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096c10a1

<400>      8721

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tgcttcaacc attcctcctt gctgaaccgg actctctccg taaaccctcc tcgaaccgct   180

cctccacgcg ccatggccaa gcccagtttc tcaactgccc aagacctagt ggcttctcct   240

ggcgattttg aatttgcgca gcctctgaaa attgtggagt atcccgaccc gagattgagg   300

gccaggaata agcgcatagt tgccttcgat gatagtctga gaagcttgt ccacgaaatg    360

tttgatgtaa tgtacaaaac tgatggtatt ggtctctcag caccccaatt aggaattaat   420

gttcaactta tggtgttcaa tccagtaggt gagcgtggtg aaggagagga aattgttctt   480

gtaaacccaa gagttagcca atactcaaag aaactgacac tatttaatga agggtgccta   540

tctttccagg catc                                                      554
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<210>   8722
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c11d1

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gatgcaaata tctaagatac ataaataaca tttcattaat ttccattatg tccaaagagg   180

ctcccaagca gtaccaaaac tgttgtcctc tatgaagcag ctcatatcaa cgtgaggttg   240

aggctgaagc acgtgctgct cctgtgactg actcatttcc atgcaaatta gggccactaa   300

attggcttgt tggcactgca tgttcactac ctcagcttgt gctttggcca gctgtgcttg   360

tagctcacta acttgctttt gaagttggca tattgcacct gcacacccat aaactgggtc   420

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tggcagttcc tgcaagaact tgatgatg   508

<210>   8723
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d01a1

<400>   8723

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aaagtacccg gaaaagaatt ggcgagaggt taccgataaa aaatcatctg gatcaacaag   180

cccaaaaggg cataaggtgc caagtgtgct ggaatggctc cacccaagct tcggtggtgc   240

aattttagta gcccaatggg catgagattg aggagcaagt gtgggcgaat gcgaaattgg   300

ctttagtgat gggcaagggg ggcggaaaat tggataggct ggagttataa ggcaaaagcg   360

taagcgtgga ctctatagag ttttggcgga aatatttagg gggcgcctgt tggccaattg   420

tgaagcataa ggccggggtt gctagatttg gaaaaa   456

<210> 8724
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220096d01d1

<400> 8724

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gttgttcaaa aaggattgaa cggtcataaa ttaattgaaa cacaattgcg aagtcgtcac    60

attgatagat attcaagggc cgctcatgga cccgggttgc acacacgc caagttctgg   120

accataaaag aagaaaggac cttattatag acttttacat actttagatc acaccaaaca   180

agggacctgc agaccattct caaactcaaa acccaccacg aagacgcaag acaaggggaa   240

gagtaaactc tt                                                        252
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<210> 8725
<211> 581
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220096d02a1

<400> 8725

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tacgtggcac tgtgtgaagt gctcgcctgc ttggggggggg gggggggggg gggggggggt    60

cggtaaagaa ataggtgacg ggagacacct ataaaaaagg tttagggtat agcacaggat   120

atgggacccc ctggatacgc accctgcacc acgagagcat cataagtagc ccggaaaggg   180

acctaatatg cttggctagg actgagaaaa tcgcaggtgt gtggccgtct aaggcttgac   240

ttgtatttgg tttgggttag tcgcggctag ggggcccaag ccctaagtag catatgacct   300

gctttccttg agggaacaaa gatgaaatat tatgccaaag ggtaaccgga aaactagcgg   360

cgtaggtgag ctgaggatac cctgagaccg tgccggggcg ccacaggcaa gtgtggggcc   420

cgtccgctgg tggttatggt gggggctcta atggtagcac agaccaacca attgtatact   480

tgcagctgct tagaacagga ctaataggtt caaccaagcc aagcgtagtg gttcgcgaaa   540

aacgaagtct ggtgttacgt tggttgctgt gcttacaatc a                        581
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<210> 8726
<211> 355
<212> DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220096d02d1

<400>   8726

aggacgccct ttttttttttt ttttttttttt ttttttttttt ttttttttttt tgggctggaa   60

ggggagcata ttacatatat gttatctcaa caaacaagaa aatcaataca aacttgatta   120

agataccata tatataggac tggatataaa tacacatatt tcccagaaga tcgacaacct   180

aataatagat acatcataca tgcatcaaac tagtggaaga agcaggggct tcaatttcat   240

acttaattcc cacccaaatt aaagcactta atcttccatg agtgccaaat taattaagga   300

gcccatggtg gccttcaaaa accttggcaa aagaattttt cttttcttat ttttg   355

<210>   8727
<211>   550
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220096d03a1

<400>   8727

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gagcaaaaaa tcgggttaaa gttagggaaa atgtgaaaac gggattaact aagggtcaag   120

aaagcggtat aatggtatag aaactgttaa aacgattcca ataacctaac ggttatcaaa   180

acaatgatta gatatacact atcaccaaaa aaaaaataat atacataaac gaatagaata   240

cgctaaatgg tgaagtaaga agtggtgttg gtagtattag tggtggtacg gcttgtgcta   300

ttcatggttg tagaagtggg tgttaccctaa ctaacagtgg tatcacttgt acacaatgtg   360

tttgtggtta gatttgtatt aatagattaa gcaataaaac tttgtggcct agatagcacc   420

gtaaagggcg ccgtcagctc acacaacatt gtaataatat gccgccaagg ccacagtagc   480

tatatacttt gtgcaattgg cctaacagta ttcttaccaa taatacggcc acctgccgaa   540

ggcaggttat   550

<210>   8728
<211>   375
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096c03d1

<400>   8728

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tttgtggcta gactagctag catagagaat tacagaataa aagcataaac atgtgcttag   120

cagttacctc cttcataaca ttacattgtg caaattattt acatacatac tatactggtg   180

cccctaccac gtttaggcat ccatccttat atttaattgt tagaaacatg tatagcagtg   240

acagttgaga ccatctagtc caccccacat acattgcgac ctctgcagat cttgtaatat   300

cccttttctc cccagctctc cccccatgaa ttttttatga tccaggtagg gctttcctta   360

aaacgaattg gagca   375

<210>   8729
<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d04a1

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ttaaattagc tcgatgcctg ggcaaatcaa aatacgctag aagatgccga agggcggaga   180

acaaacgcag ggacaaatcc agctaaccaa aatacatagg gttgagcaac tctgtttgaa   240

gttagcagtg ggtagggcta ctgggtgtta cgagtagagt gcatcaagtt taggaaggtg   300

ccgttgggaa cgtggcccgg aggtggcaaa tgggtggccc acaatggcca aaaacacttc   360

gagcgtccca aacgattata gacagtaggc gggcagaccg tgaacagtgg caccgggttt   420

aatggacgca cggtttgtcc gaggtggtta cgcactggcg gctgcggcac gtctaacaag   480

ggcagcggcc acaccgccac acccgcctgc gcagccagtt acgcaccg   528

<210>   8730
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d04d1

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aaaaggacct ggttacagcg tttttggtta ctgtacaaga ctgttctatc gagagcagac   180

tcacaagcaa gttcagggtg aaacttattt tagctacagt acatacatga tacaaaatga   240

gctttctata aacatactag aattatgact gcagctcttt tcaacaggac tagcagaatt   300

atgcttattt gcaaacccgt tagttcaata agcatatcaa taactttttt ttctctatac   360

gtctagtaaa aaattgtcac ggactaagat ggatgatttc atttcacatg gaaatagttc   420

agcct   425

<210>   8731
<211>   170
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d05a1

<400>   8731

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ccaaggaacg cactgtccac cgcagtccac agctcatttc atatatgaac tgaatagccg   120

ctttcgttcc ttggcttgac tgttctattc atttgcttta attttttttaa   170

<210>   8732
<211>   621
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096d06a1

<400>   8732

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cagaaactac gttcccactt gggctttga tcacatcaaa tacttcaatg gaggttctga   180

gattcaactt catcttgaca agtacactgg tactggcttc cagtccaaag ggtcatactt   240

gtttggtcac ttcagcatga acataaagat ggttcctggc gattcagctg gcacagtcac   300

tgcttttat   ttatcttctc   aaaatgcgga   gcacgatgag   atagattttg   agttcttggg   360

gaacagaaca   ggacaacctt   acattttgca   aacaaatgtg   ttcaccggag   gcaagggtga   420

cagagagcaa   agaatctttc   tctggtttga   tccaacanaa   gcataccaca   gatactctgt   480

gctgtggaac   atgtatcaaa   ttgtgttcct   agtggataac   atcnccaata   gggtgttcaa   540

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ttgtggaatg   ctgatgactg   g   621

<210>   8733
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d08d1

<400>   8733

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cccccaaact   caccccaaaa   ataagataac   ataatcatac   tgttaacgct   attctttatc   180

caataccact   tcccaaaaca   aatactaaat   ttcattgaga   ctccacgaaa   aacagaggtc   240

cctttggaga   tcacgccaac   acgagagatg   caaattaaaa   ttgattctgt   aactgttttg   300

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cttgaaacgt   ttggacaaaa   gtggtgccca   aacatatata   tgtgggaact   aaaaaaaagc   420

ttcgtctgtt   tgaaacgttt   ggacaatctg   atgcacgatg   cccagattcc   ccgcaattaa   480

aacaggtccc   tccaaatctg   tctgatgat   509

<210>   8734
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d09a1

<400>   8734

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aaaaaaccgg   ggggtttttg   ggggggaccc   ccaacccccc   cccccccgaa   gagcggaaaa   120

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        aaaaatgggg gccccttttt taaaaaaaaa aaaaaggggg gggccccccc ccggggtttt    180

        tggggggggg aaaaaaatcc cccccccccc cccttggggg gggaaaaatt tgtccccccc    240

        ccccgggggg gggcccccccc cggggggggg gggcggggggg ggaaaaaaaa aaaccggggg    300

        gttttttccc cggggagtgg ggggccccac ggggggccgc cccccccccc gcgggggggaa   360

        ataacacccg cggggggggg ggggggcaccc cccaccgggg gggggcggcc cccccctct     420

        ttttggggg gcaaaagagc cgccccgggg gg                                   452
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        <211>       368
        <212>       DNA
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        <223>       Clone ID: jC-gmf102220096d09d1

        <400>       8735
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        tttggggcccc caaggttgtg ggaatttaaa aaccctttcc ccctgggaaa acccctaaaa   120

        aacttttggc caacaggccc ccggtttttt ttttttttccc ccaaaaaaaa attttttttc    180

        tctcccccccg ggggggcaaat ttttttttttt taaaggaaaa ccaacacccg gcagggggcat   240

        tatttccccca aaggggggggg gggggggaaaa caggtacccct ttaaaaagga tacgggggag    300

        aaaagtgccc ttcaaaaaac aaaccaaaga atttttttgaa attgcgcctc caaaaaaagg     360

        agggggggg                                                           368
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        <210>       8736
        <211>       554
        <212>       DNA
        <213>       Glycine max

        <223>       unsure at all n locations
        <223>       Clone ID: jC-gmf102220096d10a1

        <400>       8736
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        atcctcgtat catccatcgc gatatcaaag ctgccaatgt ccttattgat gatagcttcg   120

        aagcaaaggt tgctgatttt ggattggcta agttgactac tgataataat actcatgtat     180
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cgactcgtgt catgggaact ttcgggtacc tagcccctga atatgcatca agtggaaaat   240

tgacagagaa gtctgacgtt ttctcatttg gggtcatgct attggaactc ataactggga   300

agcgacctgt tgatcacaca aatgccatgg acgacagctt agtagactgg gctcgaccac   360

ttctgactcg tggactagag gaggatggca actttggaga gttggttgat gcatttttgg   420

agggaaacta cgatgctcaa gaactgtcaa ggatggcagc ttgtgctgct ggtagcattc   480

gtcattctgc caagaaacgt ccaaaaatga gccaaattgg tagaatatng gaaggagatg   540

tctcactgga tgac   554

<210>   8737
<211>   521
<212>   DNA
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<223>   Clone ID: jC-gmfl02220096d12a1

<400>   8737

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cctgctgctg caattcctgt tgctgttaag ctgcaggtc tagagcttga tgatattgat   180

ctttttgaaa taaatgaggc atttgcctcc cagttcgtgt attgccgtaa caagctaggg   240

cttgatccag aaaagatcaa tgttaatgga ggtgcaatgg caattgggca tcctctgggt   300

tcaacaggtg ctcgatgtgt tgcaactctg ttgcatgaaa tgaagaaacg tggcagggac   360

tgtcgatttg gagttatatc tatgtgcata ggtactggaa tggggggcagc tgctgttttt   420

gagagtggtg attgtgctga tgagctatgc aatgcccgga aagtggatga ccttctttta   480

tccaaggatg ctcgcttgaa atagttactt catactcact a   521

<210>   8738
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096d12d1

<400>   8738

tgcccgttgt gggcccaccg gaacaattcc tgccgcatcc gtctgctcgg cattcggctc   60

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ccgcggctcg aggcactttt tctgccattg aagaagaacc cgtttaaccg tcggggcaag   120

tggaacacac ccaactctta attgatggaa catttgtcca tgctgtttct ggaactggtg   180

cggatcttgt tgcgcgcaac ggatctgctt gagaagcatg gtgatcagct tgctcacttg   240

agacttggga taatggagag ccttatgaac aagctgctaa gattgaagtt gcaatgcttg   300

ttcgactgat tcgatactat gctggatggg cagataagat ccatgggcta acagttccag   360

ctgatggacc atatcatgtg caaacattac atgagccact ggtgatgcc ggtcagatca    420

ttcct                                                               425
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<210>      8739
<211>      346
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096e01a1

<400>      8739
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gttacggcgc cagttcaact tactggtact gtgcacccga caagctaaag ttgcaattgt   120

aataattgct cctagtatta gtgctgccag gagtaatacg agtattttgc gaagttctcg   180

gcagtatctt tctgtttata gtacgcgtag gtggattaat ggatagggcc ataaaatatc   240

ttaaaaccac gcaacagtga ataactaag tgcacgcgcg gttcttagca atcaacaata    300

atacgcgtgc tggtgtaaag taatggtgac tggtgccttt tttaaa                  346
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<210>      8740
<211>      422
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096e01d1

<400>      8740
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agtaaaatgc acgagaaaat ttattagaaa atcacgatgg ctagctaagt ttcaaagcca    60

agtacattct gttgtaatgt caaatggaaa ttaaaaagac acggaaggag gagctgattc   120

gatgtcatga gctattgaac cctaagaatt gatccacagg cttagccaca cagttggcaa   180

gtgtatcacc tgcttccggt gtagatgcct cagaatacac accaacatca tcttcagtgc   240
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cagatggtcg cacaaagcac cgaccttggg ggtacttaac agattcttca tttatggctt   300

ctttttagacc cggggggctc acaaccacag ctattgcatt tgttgtaaca ataaccgctc   360

tgtcagcaac tttgaccttg agctgcttgc tgggtaaatc atgataaagc tcattccatt   420

ta                                                                  422


<210>       8741
<211>       543
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220096e02a1

<400>       8741

cagcgaaagt ctacggctcc ccatgtgcag aggccgtaca cactcacaca acccagggc    60

attacattaa tacacctgta gggggctgcc aaatccccgc aacagccttc aattggccta   120

caggataata gttacaaaca agtgatttgt tatggccgct gttcgtggtc tccgccgagc   180

taaagtgggc ccataatgtg gatgcccaac attaggatga cccaccgaca cactgtgcat   240

ataaggcata agcacaacct taacagttaa cataaccacc cgaggttgtt acattactaa   300

accggcagag ggctgcccaa ctactggcaa cagccatcta tctgcctaca tgataatagg   360

taaaaccacg tgatttggta ttggcgttgg tcgtgcaacc caccgagcta cagtgggcgc   420

aacatgggca taccaaaaat gagtattggc cagcggcaaa cggtacatat aaggcagaag   480

cgtaacctaa aaagatacca taaccaagcg aggtttttac attagtacat cggcagtggg   540

ctg                                                                 543


<210>       8742
<211>       598
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220096e02d1

<400>       8742

acgcactcct gacgtatatc accttcaant aactgctata cccaattttc ttctacccac    60

actaacaata ntacctacac tgcactacta cacatacttc catatctttt ataactcata   120

acattantan nannccgccg ggatgcgacg acgtccgatg cacacgcacg ttagctcaaa   180
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tccgctagag caacagacta ctctcactgt ttttaaatct tgccgttaac ttttctcgga 240

aagttcggag ttttcccgga aaatggaagg aggtcttctg aggataacac aaaaccccca 300

agggatttcc cccttcatta gcacgaaaaa cacttggcaa ccacatgctg agcaacactc 360

tttcccgtaa agaagaagca gaagaaggac aacacgcaga agccgaaacc gaacccagcc 420

gtgagctgaa ccgaacccag actcaccaac acatcattca ctaagaaaaa cgtagcaaca 480

acaggaacaa cacaaaggat cccaactctt ggagagcctt cacggcgaag caattgctaa 540

agggcgccat cggctcggct tggagctgca ccaccactat cactaatcac agcaatga 598

<210>   8743
<211>   443
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096e04a1

<400>   8743

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aagtgggggg gaatacgttg accctaagct gaaagccacc ggttacaaag ccaacctgac   180

catgcaaacc gtagagcata gtgctactac ttgggcgcca atctccgcag taacaactgg   240

cccagcagct ggctacgaga gctgtgccat ccagaaggct caaagcgcag ttggcctatg   300

cgtacgaagg gctactgcaa gatattgcta gctaggtggc tagccatttc gggaagaagt   360

gcgtagcccg ccaaggcata aaattaacag gtggacgctg aggggggattg ttagcggtgt   420

aagccccaag tgaggggcc ggt   443

<210>   8744
<211>   59
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096e04d1

<400>   8744

aagcagataa cattgctcct catcacttat tttaccaaca tggggttaaa tggtggcta   59

3949

<210> 8745
<211> 577
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220096e05a1

<400> 8745

gaaagagaga gagagagaga aagagaagtg tgtagttggt gaagtttttg agaagaatat   60

ggaacgaagt ggcggaatgg taacggggtc gcatgaaagg aacgaacttg ttagagttag   120

acacggttct gacagtgggt ctaaaccctt gaagaattta aatggtcaga tttgtcaaat   180

atgtggtgac accattggat taacggctac tggtgacctc tttgttgctt gtcatgagtg   240

tggcttccca ctttgtcatt cttgttacga gtatgagctg aaaaatgtga gccaatcttg   300

tccccagtgc aagactacat tcacaagtcg ccaagagggt gctgaagtgg agggagatga   360

tgatgacgaa gacgatgctg atgatctaga taatgggatc aactatggcc aaggaaacaa   420

ttccaagtcg gggatgctgt gggaagaaga tgctgacctc tcttcatctt ctggacatga   480

ttctcatata ccaaacccnc atctagtana cgggcaaccg atgtctggtg agtttccatg   540

tgctacttct gatgctcaat ctatgcaaac tacatca   577

<210> 8746
<211> 508
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220096e08a1

<400> 8746

attgaatcca acaggcgagc tcttagggag ctgcttttca ctgctcctgg tgttcttcaa   60

tatctcagtg gtgtcatcct ctttgaggaa accctctacc agagcacagc tgcaggcaag   120

ccctttgtga atgtcttgaa ggaagctggt gtgcttcctg gcatcaaggt tgacaagggc   180

acagtcgagc ttgctggaac taatggagaa accaccactc agggtctaga tggccttggt   240

cagcgttgtg ccaagtacta cgaagctggt gcacgttttg ccaaatggcg tgcagtgctg   300

aagattggtc ccaacgagcc atctgagctg tctatccatg agaacgccta tggcttggct   360

agatacgctg tcatatgcca ggagaatggc ctggttccca ttgttgagcc tgagatcctt   420

3950

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gttgatggac ctcatgacat tcacaagtgt gccgccgtca ccgagcgtgt ccttgcagca   480

tgctacaagg ctttgaatga tcaccatg                                      508


<210>      8747
<211>      539
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220096e08d1

<400>      8747

ctcactacag tcacctgatc tatagttatc aatatgtaaa ttactacatc attatcaagc    60

taattctcct ttttatatct tacatcatat ctcttcctct tatnttaaaa ttaattatcn   120

nnnccgcgct cgcgtgtccc gctatacaaa ntaactacnn cccggccgcc cttttttttt   180

ttctttaatc ccactaaaca acacaaagcc tcattcacgg gggggggtg gctttcaaga    240

aaacaaaatt acattccctt ccctgttgca caggattgac caaattcact gatatacata   300

aattgtcatt aaatgaaccc gggggaaacc acaaaggaaa attccaaccg atcaattctg   360

ggaaaagtca aaccacatta ttacttatta acaacaaatt cggtttgttg acccataata   420

cagattccta ctcgaattat atttttaata caatcacaac tcttaatgag caacctctgc   480

agatcgtatc atgtaggatc tctgaggcac catcagcaag cggtgacgta cccttgtag    539


<210>      8748
<211>      569
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220096e10a1

<400>      8748

gaagaagtat cactcatata atactctgta tcatttcatt tcgataatca tccatagcta    60

ctgaagaaaa tggcaaccat ctctgctgct atcacaaccc catcgatctc ccgcgcaact   120

cttgtgcaaa agcgggtctc atctcccgtt cttggtttgc cagcaatggg taaggtggga   180

agagtgagtt gctccatgga ggaaaaacct tattctgtga aggaaagcag ctctagcatg   240

ttggggatgg gggcatctct gatggcagct gccagcgctg cagccatgtc aggcccagcc   300
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atggccttgg tagatgagag actgagcact gaaggaaccg gacttccctt tggcctcagc   360

aacaatcttc ttggttggat ccttttcggc gtctttggtc ttatctggac tctctatttt   420

gtctacactt ccactcttga agaggatgaa gagtcaggac tgtccctta aatatcctga   480

gttgtaaggt gggtgatgat gaatgatgga ttgtataaat ngcaatgagt ccccctcatc   540

ttctgtgtag ttaaacaaat tctgtgctt   569

<210>   8749
<211>   516
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096e11a1

<400>   8749

cttattgctc ccagcaacca ctctccccaa gaagacgctg aggctctcag aaaggctttt   60

gaaggatggg ggactgatga gaaaactgtc atagtaatat tgggtcatag aactgtttat   120

cagaggcagc aaatcagaag agtctatgag gaaattttcc aggaggatct tgtgaaacgc   180

ctagagtctg agatcaaagg agactttgag aaagccgtgt accgatggat actagaacct   240

gcagatcgtg atgctgtttt ggccaatgtt gccatcaaga atggcaaaaa ctacaatgtc   300

attgtggaaa tcgccactat cctctccccg gaagagcttt tggccgtgag acgtgcttat   360

ctcaaccgct acaagcactc cttggaagaa gatgttgcag ctcatacctc tggccatcta   420

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aaattgcaca aactgaggct gaaatcttca tgatgc   516

<210>   8750
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f02a1

<400>   8750

ttactatact gttagtatac cgcctgcttg gggggggggg gggggggggg gggggggggg   60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

ccaaaaaaaa aacccctttg tttattgggg ggaggggccc cccaaaagga ggggtttttt   180

tcccaaggaa acaaagcccc cgcaaaattt cctaaacggg ggtttactta taaccccccc 240

ctggtttacg tttccccaaa agggggggaa ggggaagaag tttcccccca tttggggccc 300

gaaaattttc ccctgttaag gttaccccgg ggattttttg gcctcatagg attttggggg 360

actttaagt tttgggggggg aaatagggct ttgggggcct aaaatagggg gcccgtaaaa 420

atggttttt gggggaggag ggcccttcca aaaatgggg gggggggttaa ttcccaggtt 480

tttttccca accgggggcc a   501

<210>   8751
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f02d1

<400>   8751

aaaccgggaa cggacaattt tttaatggaa caagagctca ttattcatga aagcctccaa   60

aggggaaaac aacattgttt aaggcccctc catgactaaa gaataattct caggattttt 120

ttttataaaa attaaggggc aacttaaagg cttgttttga gagcttaatc attgtccaag 180

ggattaggcc ccttaaaagt cctttcccct ttgttgcttc ccagggggc actcctttgg 240

tttccaacgt ttccaaagat tttggatccc ttcttttcca actttttttt tttaggtgat 300

ttgttttcaa aagattactt accaaagtcc tcaaatgggt ccctgagaat taacttttcc 360

catgggttga aaccaaccct ctttaaattc ttgg   394

<210>   8752
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f03a1

<400>   8752

ttacgtggct acatgttgta gtactgcctg cttggggggg ggggggggg gggggggggg   60

gggggggggg ggggggtac acgttaaaaa ttacataggg gaggagttag aggataccgg 120

gacatagaga tacccaaaac actgagcaga gagtggtaaa gtttgtgcta atagcaaata 180

tggggtttcg atatagtgct gagtaaatgg cgccatagga tagatgcagg aaaagaaatg 240

3953

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ctattcggag gtcacacaga gtaaagctgc gtgcaaaagg aagtggtacc cggaagcaaa   300

ttttgcaatc taagaggcaa tatgaacccc tggcgaagca ttagcacgtt ctcattggta   360

ggcatgccgg aatgatatgc gaaaaagcaa ataggagtgt ctaaaaggaa gaggaggaaa   420

atgctaaaac gaaggacccc gcggtatagc acgtggcttg tatgaatata atttgctggc   480

aaa                                                                  483
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<210>      8753
<211>      450
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096f03d1

<400>      8753

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tctggaactc tatttaacat actagtagca acaaccttaa caagatcatt acctgcaatg   120

aaactacaaa gtattcctgc aaagaaatta aacacaagct ttcacataaa gaaactaacg   180

aatacaatcc aagagtagaa actcagggcc ttgcccaaca aaatagactc atacttcagt   240

ctaagcacca ctatagatta acaaaatctc actattctct taacaatcac agataccaag   300

tctcaaaatc aacttctgct tttgcgtcgt tccctaaggc catttccatt agcatatggg   360

acctcctcac gcccacgata aggaggtgac ctggtgtagc tacgtccacg aggtgacaaa   420

ctacggcgcc tatgggaccg cccacgagga                                    450
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<210>      8754
<211>      570
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096f04a1

<400>      8754

ttgcgtggct actcgttgga gtaccgcctg cttgggggggg ggggggggg gaaaactatt    60

cgcagacgta ccaatagaga tggtgtgatg cgatacaaag aatgtaatag agggagggcg   120

ggaagaagat ggggacaact actggaaaaa ctacggccta ataaatagg atggcacgag    180

ttggttaagg tgcttggtga gataaaccgc gcattggggg ggttacaata aaaccataac   240
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aacacctgtg gcactaccga accacgccga attaacgcgt agccttatac taatagggta   300

tggagtacta ggcaggtgaa agagttgcat tggcgctagc gcccccaatg ggctaataat   360

tactataagt atgctaatac gcggcaagaa caataggcca ggtgcagacg tgcggcgcgc   420

gcacctgagt aacgatacta ttaaaccaat aatgcgcaca aatggttgcg gatcacgaac   480

tgctgggtta ggcgtgattg ctgtttatta acgtaagtga ggcgacagtt tggccgttgt   540

gctatagcca cggttgggtg gttacgcaaa   570

<210>   8755
<211>   138
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f04d1

<400>   8755

gcctaaacct ttgatatttc atctttattc attatacagt gggttcctaa gccactaatg   60

ataataaaga tattaaatac ttgtaacact ggataaattt aatacaggcc cattacaatt   120

ccctaaaact ataacccc   138

<210>   8756
<211>   586
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096f05a1

<400>   8756

aatccatcca ttattctctg tgtgtctttc tctacttctt tcccttttccc caacccctca   60

tacgttactc tttaaatacg caccacatct tcacgtgcct ctcggttctt cagtccaaac   120

aatggccatg gttgagctct ggtggattac gtgctttctc taactactgt tttccacact   180

taacgaacca gaacacagtg agaaagacat aatggcggtg gagtacacat gctgctcaac   240

ggccttcttc gttcacatac tggtcatcgt gctgctcgtg cttttcgcgg gcctcatgtc   300

gggcctcacc ttgggcctca tgtcgctcag cctcgttgat cttgaagttc ttgctaagtc   360

tggtactcct caggatcgta aacacgctga gaagatatta ccagttgtca aaaaccaaca   420

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tttattgcta tgtactctgc taatttgcaa tgctgcagcc atggagacac ttcctatttt    480

tcttgatggc ctngttactg catggngcgc tatcctaatt tctgtgacat taattctttt    540

ggttggtgag attataccccc aatcagtttg gtctcggtat ggtttg                  586


<210>      8757
<211>      538
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220096f06a1

<400>      8757

gcaccgtgtt caagcgatta gggtttcctc ccatcgaact tgataaccct cacgtgcccc    60

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tcctcgccgt cgttgccgta gcgctccaac tgaaacttca tcgtgtcgat tcggtccatt    180

gccgcggcct cgtgaagaac cgattcgtcg attttgcagc cggaggcttc cagaagcttc    240

accgcttgga ggctcccaac cctaattgcg agcggcatga gggattccgc cgtcgcgcag    300

caaatccgcg acgacgtcgg cgctgccgca ttccatggcg acgtgggggc cgacgaggga    360

gacgtggggg ccgggtttgg agaatagttg gcggaggtgt tcgacggtgg cctttcgggt    420

ggggagcatg gtggctcggt cggttatggc gtcnggaggg tcggagagag ggtgtcgatc    480

agagggctga gagagttgta gtgtgtaaga aacagaagag agtgggggac ttgtggag      538


<210>      8758
<211>      562
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096f07a1

<400>      8758

aaagaatcca aatggaccac caaatccaaa tcggaatggt cccccccaata tggatagtta   60

tactgacaat cacctgcgca aaattggatc aaatgttaat tcctatatcg gtatggtttg    120

cgatacactt aagaatacta taccaaaggc cgtggttcat tgtcaagtta gagaggctaa    180

gagatcattg ctaaaccact tttatgttca tgttgggagg aaggagaagg agaaattggg    240

tgctatgtta gacgaagacc cagcccttat ggataggaga aatcaaatag ctaaaaggct    300
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tgaattatac aagcaagcta gggatgatat tgactccgtg gcttggaaat aatgaaatcc   360

cagagtttgc aacagatgtt tcgaggaaga tttgttatag atttgatcat tcttactatt   420

ttttttttaat caaacacgaa cagaaaaatc tacggttatg gcaagaagtt gaattcgcac   480

ttgcgaatga ttcttttggt ccacagacca cagtgtacaa aagcattgga gttctatgtt   540

gtgaatttat gtaacttacg ag   562

<210>   8759
<211>   354
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f07d1

<400>   8759

ttggtcgccc tttttttttt tttttttttt tttttttttt tgcccccata catttttttt   60

gggtaatatg gtattttttt tttaaatggg tcttttttgaa caattattgg ggcttaaaaa   120

acccccccctt ggggggcaaac ctcggtgttc ataccccccct aaaaatatat ccgtctgttt   180

aagcccccctt gttttttgtga ggaaaagagg aatttttgggg gttgatttgg aatttttaat   240

ttaaaccaag ggattttgcg gccttaatgt ctttacccccc cggggggctat ccatggggggc   300

tcttcattgg tcttcaccct acccagggcg aggccttggt ggtttcctttt tttc   354

<210>   8760
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096f08a1

<400>   8760

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atgaagtgta tgacagcttt gatgcaatgg gattgcaaga gaatcttctg cgaggcatat   120

atgcttatgg ttttgagagg ccttctgcta tacagcaaag gggaattgtt cctttctgca   180

aaggactgga tgtgattcaa caggctcagt ctcgaacagg aaagacagca acattttgtt   240

ctggaatttt gcagcagctt gattatggat tggttcagtg ccaggctttg gttttggcac   300

3957

caacaaggga gctagcacag cagatcgaga aagttatgcg agctcttggt gattacttgg   360

gagttaaggt ccatgcttgt gttggtggga caagtgttcg tgaggatcag cgcattctcc   420

aggctggtgt ccatactngt gttggcactc ctgggcgagt gtttgacatg ctgcggaggc   480

a   481

<210>   8761
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f09a1

<400>   8761

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accacctgct caacgcggag caccacttct ccgccttcaa gacaaagttc ggcaagacct   180

acgccacgca ggaggagcac gaccaccgct tccgtatctt caagaacaac ttgctccgcg   240

ccaagtcaca ccagaaattg gatccctccg ccgtccacgg cgtcaccagg ttctccgatc   300

tcactccggc ggagtttcgc cgccagttcc tcggcctgaa gccgctccgc cttccctctg   360

acgctcagaa ggctccgatc ctaccgacca acgacctccc taccgatttc gattggcgcg   420

aacatggagc cgttactgga gtaaaaaatc agggttcgtg cggatc   466

<210>   8762
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220096f10a1

<400>   8762

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gtagcttttc taacaacaaa ggttgtttta tctgatgaca ctgtgccaat tcccgcgaac   120

aaagcacaat taggtgaatg gtataatact aatgtggggc ctttagatca aagaaagagc   180

accgtggacc cagcattggt gactgctgaa gaaggcgcta aggttgtaaa ggtgatgcaa   240

gatggcagtg gggaattcaa gaccatcact gatgccatta aaagtatacc tagtgggaac   300

3958

actaagcgtg taattatttta cattggagct ggaaattata atgagaaaat caaaattgag   360

aagacaaagc cttttgtcac cttgtatggg gtaccagaga aaatgccaaa cttgactttt   420

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tattttgtgg cagctaacat catgatctcg acact   515

<210>   8763
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<223>   Clone ID: jC-gmfl02220096f11a1

<400>   8763

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atttattccc ttctgaactg cttgatctgc atgtggtatg cacacctct gatatctgct   180

gataatttgt tggttacaac tgttaattca attggagcag tctttcagtt tgtgtacaca   240

atcatcttcc tgatgtatgc tgagaaagca aagaaggtga gaatggttgg attattgctg   300

gcagttcttg gcatgtttgc aatcgtattg gttgggagct tgcagataga tgacgttata   360

atgcgtcggt tctttgtggg gttcttgagc tgcgcgtctc tcatttcaat gtttgcctct   420

ccattgctta taattaaatt ggtcattcag acaaagagtg ttgaattcat gccgttttat   480

ctctcacttt ccacctttct aatgagcacc tcttctttac tttatggat   529

<210>   8764
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096f12a1

<400>   8764

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aatggagttg agccttggaa ccttccaaca cttgctggag agctatgccg tggggacacg   180

gagcattgga tcctctttcc gcccggacaa gacagggaaa ccaggggagg cagacccagc   240

agaaccacag gtcgtgggta tcggaaggct acaggaactc cctgctatgt ttactcttct   300

cacaacaaag tcattggggt gaagaaaccc atggtctcct acaaaggaaa tgcacctatg   360

ggaacaaaaa cccaatggaa gaagaatgaa tacagag   397

<210>   8765
<211>   467
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220096g01a1

<400>   8765

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aggtacgcgc actagagcct gaggaaagag aacgagaaaa gggagggaca ctaacagacg   180

ctaaaagaga cagctgccta atcgtaccgg ggggtagggg ttggtgtgac aatagtgggt   240

taagattagt tgcttgacca atacaggtag gcatagttag gtcggcttaa ggtttaataa   300

aacaacttaa tgcagtcatt ggcgtagata agttgaccac cttatttcga gcgagcaaca   360

ccagtgggtg ttgggtttat ggtgggccag gggtacatag agtgggtact aggctagaac   420

tacttggatt atgcgagatg cccgtaacaa taatattacg gcgccta   467

<210>   8766
<211>   351
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220096g01d1

<400>   8766

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acccccccccc ccccaggggg gtgtaaaaaa aaaaaacccc cccccccccc ttaaaaaaaa   120

aaaccccttt tggggggcccc catttttttgg ccctttacaa aaaccccctt tttttttctc   180

cttcccccccc ccccaaaaaa accccccagg gggggcccccc cccgggagaa acaaaaattg   240

ccccctttcc cccccccttga aaaaaaaacc tttttttaaag ggtctaagggg ggggggggggg   300

gaccccccccg ggacccccta aatccacacc ctaaggggggc taaaaacccc c   351

<210> 8767
<211> 564
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220096g02a1

<400> 8767

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taacgctgct aggctaaaat taacggcaga ggattgggta aatgggtagg tcaatcaatc   180

aatgttaaga aaaacaacat aacaaaaagt aaggaaaaaa aagcccgcaa agtacatgtc   240

cagctatagg ctgccttacc tgtttagaaa acggagctta ttcatcgagc gactacgaag   300

ctcgtactgg gtgggtttcg ggcactaagt taaaggtggc ggctgcaacc tttctactac   360

gtaacgagtt ataccctact aaaggttgta caaagatgaa aagtagtgta cggggcggtc   420

caagcgcggc acatggctat attgagtatg ggccgcgtag ctgggtgtgg ctggtgatgc   480

tcttcccagt gcccgcaggg ccgttggcga caccctggcg ggcgtgctgt ggcgcgctta   540

cggaaaaggg gggtaggcaa gccc                                          564
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<210> 8768
<211> 596
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220096g03a1

<400> 8768

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gctagatgtg gaggaatcac agggatacgg gggcgggaga taaaaagaga tggacactac   120

gcgacggaga taatggcaac gaaaagcccc ggaattgtat tttgggagga ggtggcaggg   180

ggatagtagc cggtgaaatg ccagaagagc tcaaagcgta gagataagag gggcttaaat   240

tggaggaggc gggccaggta gcagatgaga ctagtagata agactagata cctgggttat   300

agagatgagt taaaacttgg ccttggtaat cactggtaag tagacggaga tggatagtag   360

ggatgcaaga aaggttggta tgccggcaac cagggcaatg tgtagaagga cggggtggaa   420
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aaataaagct gccggcgggg ccagtaccaa cacggcacgt aggatttaat agcaaaataa   480

tgctgcatag acagccgtgc gtactactag aagtggctat atagaaaaca ttaagggcca   540

gctagtgggc catggtagcc gtacactagc atgtggtgaa gcaggcagta ataagt        596
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<210>   8769
<211>   355
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g03d1

<400>   8769

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catattcctt cttcgtgaat tggggattac ttttttacca aaaaaaaagc accctttttt    60

ttttttttac aaaagggttc acccaattat taatcttaaa ttcccgagga ccttaaataa   120

tatacgtacc gactggattt tcacaaaatt aagacctcac ctatgctgag gttagccctc   180

taggaagaga ttcattgcct ggatcaggtg aaacaaacct ttgaccagct tttaaaacag   240

ctgaatggaa ggctgttggg ttgtcaacga acgcaaagtg cccaccctga ggaatcctga   300

tgatgtccca tggaaccttc atatgcttgc gagctttttg gacaccttga taatt         355
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<210>   8770
<211>   520
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g04a1

<400>   8770

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gaactaatcg ggtgtgagga ggagaaaagc cgggataaat cacgggagtg caaagggtgt   120

aacagtgaaa agatagacac tatacggggg ggggttaaa tgaaacaaaa atactaaatg    180

gggccagtat gtgtatcagc gcgacggcga tggcgatata agaagaaggg tgaataatag   240

aaagaagcat cacgtgggag cgcataacac agagcttggc gacaaggaag ctagtactga   300

caatggccgg actactggcg caaccagcca tatgcgttta aaatatagat gcgcgcctag   360

gacaataacg gttgccgcag gggccaggat ataataacca gcggcgtgag atacggttcc   420

cattatacta gttgtgcggg cttgttataa aattacaggg gcaacccccag gcaataaccg   480
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tagacacacc tggcgaaagc gtcaaaattc taagtggaac   520

<210>   8771
<211>   376
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g04d1

<400>   8771

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agttacattc ccttccctgt tgcacaggtt tgaccaaata cactgaatta ctaaaattga   120

cataaaagga acactaggaa aacaaaaagc aaaattccaa acgattattc tgggaagagt   180

caaaccacaa taatacttat caacaagaaa ttcggttgtt gtacccataa taccgattcc   240

tactcgcact agtctcttca aacaacacca acttcgattg atcagtagct gtagttcgaa   300

acatggaggc tctctgaggc accatcagca agctgtgagt taccccttgta ggttcccaga   360

gttgcctctg agttag   376

<210>   8772
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g05a1

<400>   8772

gttccttttg gtttgcagaa aggaacatgg aagctgtgtg tgcttttttct gttggcacac   60

ttcacatccc aacagcacat gaaacatcaa actcctttag gaaatccata ttcttgagca   120

accaagtggc ttcaccagtt tcattggttt ttctcagggg cagttcaaaa tccaagcttt   180

taactgcctt gtcaccccct ccattgacag aatccagtaa ccaacctgag gctgagccag   240

aatttgaaag tcatgcagag aaatttgact ggtactctca gtggtaccct ttgatgccaa   300

tttgtgacct tgacaagagg aagccacatg ggaagagggt gttgggaatt gatgtggttg   360

tgtggtggga taggaatgag gggtgcttgg caggttcatg atgatgcttg tcctcataga   420

ttaccaccct tgtctgatgg aaggattgat caatggggca tgttgcagtg tgtgtaccat   480

ggttggtgtt caatggcaaa ggagaatgcc agctcat   517

<210> 8773
<211> 564
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220096g07a1

<400> 8773

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agaggaaaga gaattgccat tattggtgtc tcaaccttat tgttggcggc gatggctgtg   180

gctgccacag ttggtgtcaa tgttagtgag aatggttcca acaatgagga cacaaaaatt   240

gcttcttctg taaaagccgt ccaaaccctt tgccatccca caaattataa gaaagaatgt   300

gaggaaagcc tcatagccag ggctggaaat accactgatc caaaagaact tatcaaaatt   360

gtcttcaaca tcaccattac aaaaattggc gataaactca aaaaaactaa tcttttgcat   420

gaggttgagg aggatcccag agccaagatg gcacttgaca catgcaagca actcatggat   480

ctctctattg aggagctaac aaggtcactt gatgggataa gtgagtctga cctgaaaata   540

tcgcaatcct tatgaattaa aagt   564

<210> 8774
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220096g07d1

<400> 8774

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ctcatgtctt actaaatccc tttatcttca ttttaaataa tatttacttt acnnnnnccg   120

ccctcacagg ccatcnacgn nnnnnnnntc ttcctgcgcc gccctttttt tttaattttc   180

aatttgacta atctttaaat gaaaaccatc acgggcctat tgtgtgcata ctatctacta   240

caaacaatcc taaacttgga accccatttc cccctaggcc gtttcttggg caactctcag   300

gggttagcac ctaaaccatc cattgcatga tggcttacac taacaatagc tagcaataca   360

cgtctgacct gctttaccaa ttaaaaccac tccacaatat atatggctct aatctatcat 420

tatggatgat aaatatggct tgaactaaaa cacaacagga taggacagca cttgaataaa 480

tcaaactatt ggcaatttcc aattatcaag ttattagcca catgcaacgg ggtcaaaaat 540

accctggcga gcagcgggaa cttaaaaaga catcc 575

<210>   8775
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096g08a1

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ttcccggaaa atggaaggag gtcgccggag dataacactt tacgatcaaa tgaaagccgg 120

caacagcagc cgatactcac tcgccagcct catgctgggc gatgtcgttt tcaagaaggt 180

ggaagcagaa gaagcagaag aagcagaagc cgaagccgaa gcgagctgtg agctgagccg 240

aagccggact ctccaagaca tcattcgcga agaaaaacct agcaacagca gcaacaacac 300

gaaggatcgc aactcttgga gagccttcac ggcgaagctt cggctcaagc gcgccatcng 360

ctcggcttgg tcctccacca ccactatcac taatcacagc aatgatgata gaaatttacc 420

taatataccc gaaactcgcc atgactcgga cgagttgact c 461

<210>   8776
<211>   503
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g08d1

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ttagtaaaaa aaaatattaa aatacatata dacaggaata gcacaaaatt aagacctaac 180

ctatgcagag gttagccctt taggaagaga ttcattgtct ggatcaggtg taagaaacct 240

tcgacaagca taaaaaacag ctgaatggaa ggcagttggg ttgtcaatga acgcaaagtg 300

cccaccctga ggaatcctga tgatttcgca tggaaccttc atatgcttgc gagcttcttg   360

ggcaccttga taattcatcc agtcttggaa accatacatg aaagtggtgg gcaccttcca   420

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taagcacagc tcttcactag ctt   503

<210>   8777
<211>   499
<212>   DNA
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<223>   Clone ID: jC-gmfl02220096g09d1

<400>   8777

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tctggaactc tatttaacat actagtagca acaaccttaa caagatcatt acctgcaatg   120

aaactacaag tattctgcaa ataaattaaa cacaagcttt gacataaaga aactaacgaa   180

tacaatccaa gagtagaaac tcagggcctt gcccaacaaa atagactcat acttcagtct   240

aagcaccact atagattaac aaaatctcac tattctctta acaatcacag ataccaagtc   300

tcaaaatcaa cttctgcttc tgcgtcgttc cctaaggcca tttccattag catatgggac   360

ctcctcacgc ccacgataag gaggtgacct gctgtagcta cgtccacgag gtgacaaact   420

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acggaatctg ggtggacta   499

<210>   8778
<211>   575
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096g11a1

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gtgactgtgt tggtagctgt gattcccata tgggcactga agatgctgaa ctcgctgtgg   120

cttaggccaa agaggtttga aaggcttctt agagcgcaag gttttcatgg tgacccatac   180

tcactttctc atcacaactc caaccaaacc cttttgcaac aacaccagct caattcccaa   240

3966

cctttttcctc tatccgatga tgttgctcct cgtgtatcct ccttgttaca tcacactatc   300

gacaaatatg gcaagaaatc cttctttttgg gaaggtagaa caccaaaggt gatcattacg   360

gacccaaatc aactcaaaga agtcttcaac aacattcatg acttccagaa gccaaagttt   420

agtgacaatg tcaagttctt gttcgctggc ctgttaaatt atgagggtga caagtgggct   480

aaacatcgaa gaattatgaa cccagcattt cactcagaaa aattgaaaaa tatgctacca   540

gcattttctc aaagctgcca tgatatgatt agcat   575


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<211>      481
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096g12a1

<400>      8779
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tatgcctaac cctaaggtct tcttcgacat gaccatcggc ggtcaatctg ctggccgcat   120

cgtgatggag ctctacgccg acgtcactcc ccgcaccgcc gagaacttcc gcgcgctttg   180

caccggcgag aagggcgtag ggcggagcgg caagcccctc cactacaagg gctcgtcctt   240

ccaccgcgtg atcccgagtt tcatgtgtca gggtggcgac ttcaccgccg gaaacggaac   300

cggcggcgag tcgatttatg gcgccaagtt cgccgacgag aacttcgtga gaaagcacac   360

cggtcccggc atcctctcca tggcgaacgc cggtcccgga accaacggat ctcagttctt   420

catttgcacg gagaagacag agtggctcga cggaaagcat gtcgtgttcg gacaggtcat   480

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<210>      8780
<211>      347
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220096g12d1

<400>      8780
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cttttttttta aaaggaaagg gggagggttt taaaaagatt ttcttaacac cacaatcccc 180

ttaagggcgg cccgggaaaa aaaaaaaaaa aaaaaaaggg gcaaacccc ccccaaagaa 240

ataaccccaa ttcagagatt aaagccccgg gtcaacctcg cttaaaaaag ttccccccaa 300

tgggcaaaaa caacaggctt ggagggcctg ccccaacagg aacccccc 347

<210>   8781
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h01a1

<400>   8781

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ggaaaagctg gagcctaaag caaccggggt tgcgggtaaa atgaccatag gttataactt 180

gcaatggata gcaatggcag ggaatattgc atacgctatt aagggaccca gtatagcgcg 240

ctaaagcgct gatgttgtgg gcaatgggac cagcacaata gaaggcgcaa ataattgtt 300

gggcccccca aaaaccgggg cctgttggga ttgcctatgc gcaaactact ataactaggg 360

ctaaaagtaa cacttgtttg gaagtggggt gtagttggag aaagcccagg cgcaatactt 420

ataagctgta aaacgttgtt gataaaccaa gtaatgctgt taaggcccct aaggccggtt 480

attgcaaaat tgccaattta gttgggaaac cttggccgcg aacagtgat 529

<210>   8782
<211>   131
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h01d1

<400>   8782

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aatatatata tatatatata tatatatata tatatatata tatataatat gtgaattatt 120

tttactatct g 131

<210>   8783
<211>   574
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h02a1

<400>   8783

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ataaaaaaca aggagataga cagtaaataa agctgtgggg tggcttatac gaacaacgaa   180

tctgctaaac gaagtagggc attagagttg gacagagcac cgagtcaaaa caaaacggcg   240

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acgttggccg caagcatgta ataactgggc cgaacacgag gggggccgtt ggctcgagct   420

tgaacggact gtcaagagag gtcgctgggc taatggtgac tgtggcaaat atttgtcggc   480

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tagcgtaaag ggcacaaggc aggagtcgag cgga   574

<210>   8784
<211>   352
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h02d1

<400>   8784

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attcaaaact tttaaaggtt aagaacggac tggcttagct ctgggaatca gaactaaaaa   120

attttttggcc ggggccttat accaagacta ttggtctaac cattgcctta ttgggcccaa   180

ctaaaacccc gcctccaaaa ctcattggtc aaactcgggg gggtctcccg ggttttttccc   240

cttgaaaact tttgtagggc tcaacagggg gacgggagtt agctccagca tacactggtt   300

tcgcaccaag ctccttctta atttttaaga gctgggtttt ttttacaaga cc   352

<210>   8785
<211>   440

3969

<212>   DNA
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<223>   Clone ID: jC-gmfl02220096h03a1

<400>   8785

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gggggggggg gcggggggggg gggggggagcc ggggcggggc cgctgcccgg taggcttgtc   120

ggggaagacg ataatatcgg tttgtgttac agcaaaagtg aggtgggctg ctaccataac   180

cagcaactaa ccttggtata caagatctgt cctagcaaag tcaggtagtt aaatacgcat   240

gcaagcaatg tgtccacgcg aaaccaccta gaaagaatga gacgacaaca cattcgcaag   300

cagtccatga tcaactagtt aagccagata cgaggcaaca tctgacatta agtcctccaa   360

gtatcaacag cacagtgctg ccggatggca atgctcggtc tgaattgagt gcaaagatag   420

tcacaatcag ccagtagccc   440

<210>   8786
<211>   545
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096h03d1

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aaatggtaat agtagaacaa taaaaggtcc aaacgcccta acaatggtct aacattaaag   180

ggaaaaaaca ccaaagaaaa acaatcactg tttggaaaac cggacttatt ttcgcaagga   240

cataataaag acacttaaga aaactactct tcttcatctt cctctttcca gcacttcaaa   300

gttgatctag gtgaaccaca gtcacaagtc ttggcaaatt tttggtagac aagagaacca   360

cccattccaa gcccttcgtg gctcctcttt tcgcgacagt atcccttaac atccagaaaa   420

cacgtttgat caaacaactt gcttgcacca tccacatgaa ctgcaacaga gaactcagtt   480

gggagaaaac atgccaatac ccttctaacc attttgttca gattcaccac ttttgagtca   540

taccc   545

<210>   8787
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h04a1

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taaggcaaaa actggggagc agagagaact aaaagagaac ataagttaat gtgagaagct   180

atggggttgt gagagagaaa agcgcgggta aggaggtgtc tagcgatatg aggctgctga   240

agatagcgat gccaatatag aatgctagca ggcctgtgta aaaactagcg gaggaaggat   300

tggaccaagt ggcaaacaag tgatgcggaa ttttacgttg caatacagct aatgcaccgc   360

tatgacaaat acggagtgta cgcggccttc tgataaaaac aatagctttg gtacgcaggc   420

cagatttggg gccgcaggtg cgacgtagta ggttggtttt aatgcgcatt aaaagcagcc   480

a   481

<210>   8788
<211>   308
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220096h04d1

<400>   8788

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cttgggcccc ccttacaccc ggggaatagg aacaaaaccc gatgacccaa cagaaaaccc   180

ccggttcttt ttggggggga aaaaaccccg ggagaaggag ggccccatcc agaccccggg   240

gaaaaacttg ggaaggggg cccctcccg aaaacacctg cggggcgaa ataaaacaac   300

accccgtt   308

<210>   8789
<211>   545
<212>   DNA

3971

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220096h06a1

<400> 8789

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cgcaatcggt tgcgggcatg ataatgaggg tttattcgtt gggtccgctg ggcttcttgg   240

gcttggtggt gggcctttgt cattaacttc acaaatcaaa gcgacgtcgt tttcgtactg   300

tttagtggat cgcgactcgg gaaaatcgtc cacgctcgag ttcaactcac ctcgacccgg   360

tgactcggtc gttgcaccgt tgttgaagaa tcagaaggtg aacactttct actacgtgga   420

gctcaccgga gttagcgtcg gcggngaaat cgtgaccgtt ccgccggaga cntttgccgt   480

tgatcaatcc ggcgccggag gtgtgattgt ggattctgga accgcgataa ctcggttgcg   540

gactc   545

<210> 8790
<211> 343
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220096h07a1

<400> 8790

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taacgttttt gtgtttgaac gttaatgctt gatgacgtct gagggaagca aatttggaaa   120

tattaatagc caaccatttt tgcatcgaga actacaatca atggcgtctg cactacctgg   180

cgacgaataa acgccacttg tgggcgatat ttcgggcctt gaagggctca agagccacca   240

caccagggat gttcatattc tgagcttggc cttttctcttg gtctttctcg ccttcggcgc   300

cgctcagaat ttgcagagca ctctcaacac tgaggatgac ttg   343

<210> 8791
<211> 406
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220096h09d1

<400>   8791

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gaaatttctc aagacctaaa aaaaatagg cccgttttt ttttcaacc taaaaaaaaa   120

cccccaactt ttgaatccct ttcccgaggg ggggggggcc caaaaaaatt ttaccccaa   180

aataacccc agttttttg ggacaaaaaa aatcccctgg aaaaaaagg cctcaccta   240

aacttggtta gcccccgggg aaggggggac cctggcccaa aacacatact ggggggggatt   300

aaaacaagtt cctggggatt ttgaattacc caccaggggt ggtggtttta cagtcccggg   360

acccccaacaa cctttggttg cctccaaaaa accaaatttt gaaggg   406

<210>   8792
<211>   583
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220096h10a1

<400>   8792

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ccgatcacca ttatggaatg gatcacgagc gttacgtttc taccctcgcc accaagggag   180

ttggtcacct cgttcgtaag ggcactggtg gacgatcctc cgtcagtggc attattgcta   240

cagtatttgg ggcaactgga ttcttaggtc gttacgttgt ccaacaactt gctaaaatgg   300

gatctcaagt cctagttcct ttccgaggct ctgaagataa tccccgtcat ctcaaattga   360

tgggggattt gggacagatt gtacccatga aatacaatcc aagggatgaa agttcagtaa   420

aagctgtgat ggctaaggcc aatgttgtta tcaaccttat tggaagggat tatgagacaa   480

gaaactacag ctntgaagaa gtgcactatc acatggctga gcaactagca nagatttcca   540

cagagcatgg tggtatcctg agatttattc aaagttcttg gtt   583

<210>   8793
<211>   572
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220096h11a1

<400>   8793

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accagagcca gtggttgata agcaagggaa ccctttggag ccaggagtag ggtactacgt   180

gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga acaagacatg   240

ccctctttat gttatccgtg acccttcatt cattggcacc ccagtttcat tcttagcacc   300

aggccttgac catgttccaa cactcactga tctaaccatt gatttccctg tggtgacagt   360

gtgtaaccag ccaacagtgt ggaggctcaa caaggtaggg tcagggttct ggtttgtgag   420

caccagtggt gaccctaatg atatcactag caagttcaag attgagaggc ttgaagggga   480

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tcctgtgggng actnttgaag atgctgatgg aa                                572
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<210>   8794
<211>   560
<212>   DNA
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<223>   Clone ID: jC-gmf102220096h12d1

<400>   8794

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gaggtgccat aacatgcatg ttcttggctc ttttcttctt ggggacatgg cctgctcttt   180

tgactatgtt agaaaggcgt ggtcgtcttc ctcagcatac ctaccttgat tactcaatca   240

ccaatttctt gtctgcttta ctcattgctt ttacacttgg tgggataggc aagggcactc   300

atgatcagcc aaatttctta gttcaacttg ctcaggataa ttggccctcc gttctttttg   360

caatggggggg tggtctgttc cttagccttg ggaatctgtc aagccaatat gcatttgctt   420

ttgttgggct atctgttact gaagtgatca cggcaagcat aactgttgtt ataggcacaa   480

ccttgaatta ctttttggat gacaaaatca acaaaactga gatccttttc caggagttgg   540
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ttgcctttttg attgagtttt   560

<210>   8795
<211>   161
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097a02a1

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attctgcatt actatcaatc atacttcaat actatcacac taccaaaaat ctataattat   120

ctaatnnnnn nnnccgcgcg tcgtactgag acagctatga c   161

<210>   8796
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097a03a1

<400>   8796

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tcccgagccg tcctagcatc aatgcaaatg gggttcttgg ccaaatattg tttgatgttt   180

gtgtgcccaa gaatgttgag gattggtgta tcaggtcaaa ttccaagaat gcactagtag   240

caggtacaag gaagcatgtt ccatttaatc cgataaaatg cattcggcgt tcaaggttgt   300

aagattgttg tgttgactga cagaagctta aggagaatta tgcttggaag gttgtgttgt   360

cttcaaggtt caaaattttt agggagatct aatgggcaaa agagatgtgt agtagtatta   420

atacctgaaa taagaggcta acggactata taggttacca cctaagctgt tcttttagca   480

ctgtggactt ggtaatgtga ttgagc   506

<210>   8797
<211>   304
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097a03d1

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gttagcattt gctaaagaaa tagcatgccc aacagggaca aacaagtcta tgacatgctc   120

cattaaggga gaaaaaacaa gggcataaat ttcactttga atgtttggct gatcaacacc   180

ctataactaa tatatacaga tggctctgtg tatgctttta taaaaaacac aagttacaaa   240

aggggaatta aaagttcaaa gaataatgga attttcagac atgcgccagc ctcccctgga   300

gaaa   304

<210>   8798
<211>   275
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097a04a1

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ctagatggca gaacccaacg atgaatatcc gccttgtgtg tcgaaacaat agagcgcggc   180

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aacagcacag aggggactta aattcaaaga gaagt   275

<210>   8799
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097a04d1

<400>   8799

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gtttttcttc ctccatcttt ctctaaaaca ttaatggaac tctccattcc ttagatttca   120

ccaacgagct caccaccaca cagacaaagc aatggcaaag actgagttag aggtgactgt   180

tgagagcaag aacaaagaac taaagcacct gggatttgag aagattgccg atgatcaaac   240

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tcttgcgagg gcgtcgaaca tcgatgagta cccaacggac aagtctctgc ctgtgagatc    300

acgtgttgga accgttgtca acactgtgac caccgctctt ggtcctggct gcaacaaatg    360

caaggacttg cctgatgacg tgcaaggtta tgtcgacaga aaggtggatg atgctttcaa    420

cagttggatg agcatgc                                                   437


<210>      8800
<211>      578
<212>      DNA
<213>      Glycine max

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<223>      Clone ID: jC-gmfl02220097a05a1

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agaaatgcct gcagatagtg gatatcctgc ataccttgct gcacgtttag cctcgttcta    180

tgaacgtgct gggaaggtaa aatgtcttgg aggccctgaa cgtacaggta gcgtaactat    240

tgttggtgct gtttcgccac ctggaggaga tttctcagat cctgtgacat ctgcaaccct    300

gagcatagtt caggttttct ggggtttgga caaaaagctt gctcagagga agcactttcc    360

ttctgtaaac tggcttattt cttattcaaa atactcaacg gcacttgaaa ccttntatga    420

gcaatttgat ccagatttta tcaacattag gacaaaggct cgtgaagttc tgcaaaggga    480

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gatcaccttt agaacttgca agcttttgag agaggata                           578


<210>      8801
<211>      492
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<223>      Clone ID: jC-gmfl02220097a05d1

<400>      8801

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gggtatagat tcagtctact gtactttata tatagatcaa accctcaaag ccacctggtc    180
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ttgccatgaa atcttcctct tccctgccct atttgatcca tccccaacac ttctacaggc 240

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ctggttcaag tcgaaaaatg gagttacact cttctttgtg gcttccttgc tgctgtgaat 420

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220097a06a1

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accgaaatcc tgacacaaaa taggtgcgga tactgaacac gacactaagc gatggcgaac 180

aagcccctgg aactggcatg acgaccgatc agaaaataca aattgctcta cagctcacaa 240

gagatcggtg cggaagttat ataaggggc tcaactttag ggacacagga agacttcaac 300

gctgtcaaga tgataacgca agaagtgggc aacaactgtg acgctgatag ggatagttcc 360

tgaaattgcg gccctatgta ggggcaatga cagggacata acgagagcct gggaggctct 420

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<223>   Clone ID: jC-gmfl02220097a06d1

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taacatgaca taattgcttt tttgaataaa taggtttgta gtgtgaattc taacatttag   180

gtgctagaat tctttcgaca aatacaaatc attcctttga atcgagcatt ttgtttaagg   240

cgacaatata atcctatact tttgaagagt cggaaaagcc ctttttttga gtctccaatt   300

aggggggaata aattttttg tcattcaaag caggagttcg tgacggctta gtttttgtac   360

gatttacaac acgggtagta gcaattgcat cggagccttc tgt   403

<210>   8804
<211>   546
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097a08a1

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gaggtc   546

<210>   8805
<211>   365
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097a11a1

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3979

caatgacgct gctccgaagg cgcagaagaa cttgatcagc tatggtggcg ccgttggtta 180

tcgcctgatt gccaacattg aggccgcctt atagacctgc acctacccca tattgtggca 240

gttctgttac aactattgca gctccactct ccttgggtgg ggcgaccgtt actacaaagg 300

cgacgacgac aaagccaagg cagaggccaa ggccgaattc acctacgccg tcgaacagga 360

ccacc 365

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<211>   285
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097a12a1

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cactgatgat gcttggacga cgcctataac tatacccgat tggcggagtt ggtggttatt 180

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atggcggaag tggtggactt ggtggaggtc tcagcagacc taccg 285

<210>   8807
<211>   565
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097b01a1

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tggtgaacta cagaagcagg tggacaagct taaaagggaa ctagaaacac aaaacaagga 180

gaaagtgaac tgggaaactc gagtacctga gttagagaaa aagattcatg acttgaactc 240

aaaattagaa gatcttcaaa agataaatga ggaacagaag aaaaaaattc aaaaaactga 300

acgtgctctt aaagttgctg aggaagaaat ggtgaatgca aagtttgagg ctactgccat 360

agaaaaagag ctgagggaga ctcatggtgc ttggcttgcc ccttggcttg ctgttcacta 420

3980

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tgtgggaacc attaaaacta aatgg                                          565


<210>      8808
<211>      448
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ataatacata aacacctaaa catattgtgt gcccttttct acagtgaaac atcctaaagt    180

tacctcaccc aaaaaaagag aagtaaaata ttcaaaaccc cacacgacag gaaagataca    240

tcccccctcaa taagcccgtg cgaacaggaa aaattatcta aactttccag ggaaaaaaat    300

aaagcaggaa ccaacttcat gttgtgtgct tgtctagatg ccctcgctta tgtttacgtc    360

gtgcatggtg attgtttcca tttcgagcag gtttattcac tttttttgcta cagaaaacag    420

ctgaaaacac tctagccact aaaataat                                       448


<210>      8809
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gcactggccg cagatgacat ggcctacatc aactccctca aggcacttgg tcactcctta    180

cacctttttca ttcagcaaga catggatgct cctacctctc cctctccctc cccctcccct    240

tctccccctc acaaacccctt caaacacgcc tcttcttttg actccgactg cgacggctct    300

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3981

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gatccatgct ctcctctggc tcaccatctt catatgaatt acatgaagaa taaagccgct   420

ccttcaattg tctacgagca gaggcctctg agtccccaaa ccatgtactt gggagaggcc   480

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<210>       8810
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<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220097b02d1

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aaccccatg cttttagggg ggggggttac tccaattta ctgattaaat tggggccttt    120

tataaaatga cttgccaggg ggggggtttt tatacccgaa aggccgccct tttcctttat   180

tttttttttc aaaggccaaa agaaaaaccc tttaaatgtt ccaatttggg ggcccccctt   240

cccctgtttt ttaacagcac aactttactt ggggccttat agcgctggat acccaaaaag   300

gaactgggcg cctaaaaccc caaactttt tttt                               334


<210>       8811
<211>       556
<212>       DNA
<213> .     Glycine max

<223>       Clone ID: jC-gmfl02220097b03a1

<400>       8811

gttccctacc tctcctttca agatgcagat cttcgtcaag accctcaccg aaaagaccat   60

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ggaaggaatt cccccggatc agcaacgtct catcttcgcc ggaaagcagc tcgaggacgg   180

ccgtacccttc gccgactaca acatccagaa ggagtcaacc cttcaccttg tccttcgtct   240

ccgtggtggc atgcagatct tcgtcaagac tctcactggc aaaaccataa ccctagaggt   300

cgaaagctct gacaccattg acaacgtcaa ggccaagatc caggacaagg agggaatccc   360

cccagaccag caacgtctca tcttcgccgg aaagcaactt gaggacgggc gcaccctcgc   420

cgactacaac atccagaagg aatcaaccct tcacctcgtc ctccgtctcc gtggtggcat   480
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                                    3982

gcagatcttc gttaagaccc tcaccggcaa gactataacc ctagaagtcg agagctccga   540

caccatcgac aacgtc   556

<210>   8812
<211>   231
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097b03d1

<400>   8812

gaaaagggaa aaaaaaattg ttttgccccc ggtccttcca attttaacat ttaaagtggg   60

gaacggggg gatttctcga cttggccaac aatccgggcc cagggttggt ttgaaaaaca   120

acctttaagc cactggaaag ggttagtttt aactggtttt ttggggccat tgtgctaaac   180

atgaacggca cccgggaagc attcctccaa ggaaaaaggg gggcccccccc g   231

<210>   8813
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097b04a1

<400>   8813

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agtattattc aatattttgg ttgggttgaa tcccgggggtt gaagcgttgc agacatcacg   120

gctattctaa gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt   180

agttgcgtaa ctgccgttaa cccttcgccg cacggtgggc gtggtgcttt gccttctgaa   240

ggtggtagcc cttcagactt gctcttcctc gctggtggtg gtttcttcta gtttcttcac   300

tcttttcatt acttttagcc tgcatagttt taaataagaa aaaaaaaca gcgactttgt   360

gactagttaa gatcaccgnt tcttcttctt cttcttcttc ttcttcttct actactacta   420

ctactacttt tcctccacaa aatgatgctc aaaatcaaga gggttcccac tgtcgtttcc   480

aactaccaaa aagacgacgc tgcagactct cctcgtc   517

<210>   8814

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<211>      62
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097b04d1

<400>      8814

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cc                                                                   62


<210>      8815
<211>      446
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097b05a1

<400>      8815

cggctcgagg cacttcttct gccattgaag aagaacccgt taaaccatca gtgcaagtgg   60

aacacaccca actcttaatt gatggaaaat ttgtagatgc tgcttctgga acggcaaagg  120

atcttgttgc gcgcagctga tctgcttgag aagcataatg atgagcttgc agcacttgag  180

acttgggata atggaaagcc ttatgaacaa gctgctaaga ttgaagttcc aatgcttgtt  240

cgcctgattc gatactatgc tggttgggca gataagatcc atggtctaac agttccagct  300

gatggaccat atcatgtgca acattacat gaaccaattg gtgttgccgg tcagatcatt  360

ccttggaact tccctttct catgtttgcc tggaaagttg gaccggcatt ggcctgtggc  420

aacaccattg ttctaaaaca gctgag                                       446


<210>      8816
<211>      526
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097b06a1

<400>      8816

aaaaaccttc ccttctcttc tcacccccac actcccatct cacacacccc tcgcatccaa   60

caatgtctct caccattccc tccaacctct ccaagcccgc cgccctccgc cccaaactaa  120

gcccaaagct aaggtccgcc gccacaacca ccatcgtctg cagcaccacc aacaacaaca  180
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3984

acaacaacaa cgtgtcctcc gacctgaagg cgttctccgc cgcgctggcc ctctcctcca   240

tcctcctctc cgcccctctc cccgccggcg ccgacatctc ggggctcacc ccatgcaagg   300

agtcgaagca gttcgcgaag cgtgagaagc agtcgataaa gaagctggag tcgtcgctga   360

agctctacga ggcgggcagc gcccccgcac tggccattaa ggcgagcgtg gagaagacga   420

agaggaggtt cgacaactac gcgaacaggg gttgctgtgc ggcggcgatg ggttgccgca   480

cctgatcgtg agccgagacc agaggcactg gggtgagttc atcaca   526

<210>   8817
<211>   311
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097b06d1

<400>   8817

agcaagaact cttcttacat taattgaatt ggaagatgag gttgattgtg gttcacatgc   60

attagattac atcatatcat gtaccattta taaaaaaagt aattacaaaa agagcgcgta   120

aagatcccat ccacatacaa attctccagg ctttcctcca atgtagccat ccaccctctc   180

ttatctagac atccttggca atgaggtcgc cgttgatgag ttctctgtag gcagcaacgg   240

gccagctgaa acccctgaag agcaagcgag aagccagaag aacatcgatg atgatctcct   300

tgcatggggg g   311

<210>   8818
<211>   560
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097b07a1

<400>   8818

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tgtgatattc atatgggtgg tacaaccaaa gcaacgtcat gggaagattg caccaggtcc   120

caaggcgttg ccaattattg gtaacctcca catgctaggg aaactcccgc accgcaccct   180

tcaaaccttt gcaagaaaat atggacccat aatgtccttg aagctagggc aagtccaagc   240

catagtggtt tcctcccctg aaaccgctga actattcctc aagacccatg acactgtttt   300

```
tgcaagcagg ccaaagattc aagcctctga atatctctct catggcacca agggcttggt   360

gttttccgag tatagcgcct actggcgcaa agtgaggaga gtgtgcaccc ttcaacttct   420

cagtgcttca aaagttgaca tgtttgctcc tttgaggaga caagaattgg gagtgttagt   480

gaagtcactg agaaattcag cggcatcacg tgaagttgtg gacctcagtg aggtgttggg   540

ggagcttatg gagaacatag                                                560
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<210>   8819
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097b07d1

<400>   8819

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ggaatgtcat atttcttgtg tttttgtagc tagttctttt cttgttaata caatattttg    60

ctaataaaag attaaaatat attttggatt cctaaaatta tgataagtga tgtgaccaaa   120

aaatatgata actggaaaaa attaggcaaa gcaatatgat aaataaaata aaataaaaat   180

aataaattaa aattttgaat gtaaattgat gtgtgtgtag gtgaaaagta tgctattgta   240

caagtcaact catgaattgt actcaccaaa aaatctcaac gtgaattctg gaccatacaa   300

agtatatcct atggtatcag ttttcttttc ttttatttta aatcttaatt agtacatcaa   360

tattaatgta aggcgtgtgt gtgtgttgaa gtacgttgtt ggaaaagtat gctattgtac   420

aagtcatctc atgaa                                                     435
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<210>   8820
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097b09a1

<400>   8820

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ctctgtttct gtctctgtgt ttgcggctga ggattccgaa cgagcgacct tcttcgtttg    60

tcgcaaagtt taagtcatca tgggtaagga aaagactcac atcaacattg tcgtcattgg   120

acatgtcgac tctgggaagt caactaccac tggtcatttg atctacaagc tcggaggtat   180

tgacaagcgt gtgattgaga ggttcgagaa ggaggctgct gagatgaaca agaggtcatt   240
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caagtatgcc tgggtgcttg acaagctcaa ggctgagcgc gaaagaggaa ttaccattga    300

tattgctttg tggaagtttg aaaccaccaa gtactactgc acagtcatcg atgcccccgg    360

acatcgtgac tttatcaaga acatgattac tggtacctcc caggctgatt gcgctgtcct    420

tatcattgac tccaccactg gtggctctga agctggtatt tctaaggatg acagactcg     480

tgagcatgct cttcttgctt tcacccttgg tgtgaagcag acgatctgct gcttgaacaa    540

gatggatgcc ac                                                         552
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<210>       8821
<211>       337
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220097b10a1

<400>       8821
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gtggaacacg gcaacagcag cgccggaatg aagatggctc tggaggattg taaggacttg     60

ttgcagtccg ccatccacga cctagaggcc tcaggcgtgt tggtcaaaga gagcagccta    120

caggacgtgc accagcgcac cgccgagctc aagaactggt tgggagccgt tgttgcctac    180

cagcaatcgt gcctggacgg cttcgacacc gacggcgaga agaaggtgca ggagcagctg    240

caatctggga gcttggacaa cgttggaaaa ctcactggct tggcactcga tgtcgtgtca    300

gggatttcac acattctcca tccttggac ttgaacc                               337
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<210>       8822
<211>       309
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220097b11a1

<400>       8822
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ctgttttccg ctgcttgttt gtgcctgcgt agttacaaag taaaaagagg gaggactagg     60

acaaaagttg ttggcagtca tcatgtcgag cgcttcgttg aaggagatga ggaacggtgg    120

tgaggattat agcaatggtc atggtggtgg tggtgtgagg gacttgtatg gagaggattg    180

tgccactgag gaccagctta tcactccatg gactttctct gtggccagtg gatgcagttt    240

actgagagat ccacgctaca acaaagggct ggcctttacc gagggagaga gagatgctca    300
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<210>      8823
<211>      477
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097b12a1

<400>      8823

aagagaaaga cagaatcgtt aaacatttaa tattggagga ctataactca cagcatcttg    60

aatatgatcc gaatttctcc acacactata tagcaagttg ggtgacagac agtgtgagag   120

acaactgtgc ttcttgtacc taccagtacg actttgtcaa cctaacgtat ctaaggtaat   180

atgtagcata atagatgcca aaagtactca tgcagccttt aatgccccac cttattaatt   240

tctctagcta gcaatgcaga ctttagcata caaaagccat cttggtcttg gtcacactgt   300

atgtacacct gtacctagct agccatgtaa ttgaggtagt cccaccacag aacatttta   360

ctttttttat tagggaaaat atttaaaaca ctggctcgaa ttctttgagg aagatttttt   420

gcccacgtga tagaatcatt cttggatcaa actgatgctt tctttctaag aatttca     477


<210>      8824
<211>      501
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097c01a1

<400>      8824

aaggcatttg aggactgtgg gttttcttca cagattatga atgctattaa aaaacaagga    60

tatgagaagc cgacaactat acaatgtcag gctttgccag ttgtgctttc tggcagggat   120

atcattggta tagcaaaaac tggttctggt aaaactgctt cttttgtact tcctatgatc   180

gtgcatatca tggatcagcc tgagcttcag aaggaggagg ggcccatagg ggtgatatgt   240

gcacctaccc gagaattggc acatcagatt tttctggagg ccaagaaatt tgcaaaagcg   300

tatggggtac gtgtctctgc tgtctatggt ggaatgtcaa aacttgaaca gttcaaagag   360

cttaaggcgg gatgtgagat agttgttgct acccctggca gattgataga catgctgaag   420

atgaaagcat tgacgatgat gagagcaact tacctggtgc ttgatgaggc tgatcggatg   480
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tttgatcttg ggtttgagcc g   501

<210>   8825
<211>   337
<212>   DNA
<213>   Glycine max

<223>   · Clone ID: jC-gmfl02220097c01d1

<400>   8825

ggaacaaacc taaaaccttt ttacttttgg gaagttaaaa tcttttgggg gattgaaaac   60

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atcccttggg cagggggggt cattcaaggg gacaactttt tatcccaacc gggggggccc 180

cccctttttt taggttaaaa actggtcggg cttttttgac caggatttac cccataacct 240

tgacggggggg aaatacccct tgatgtacca ggattggggg aaccactcct ttgataagtt 300

ttttttgcac caccaattga cccccccggat acaaaac   337

<210>   8826
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c02a1

<400>   8826

gagttagggc tttacagtgt ttctcttcct tcttcttctt cttcttcttc ttcttcgggg   60

aatcgcgatt gttctgtgcg agagaaagaa gagagagatc gaaaatggcg ttggctttcg 120

acgagttcgg aaggccgttc ataatcctga aggagcagga gcagaagagc agactccgag 180

gattggacgc tcagaaagcc aacatctccg ccggcaaagc cgtggctcgc atgctccgaa 240

cctacctcgg ccccaaaggc atggacaaga tgctgcagag ccccgacggt gacgtcacca 300

tcacgaacga tggagccacc atccttgacc agatggacgt ggacaaccaa atcgcgaagc 360

tgatggcgga gctctcgcgg agccaggact acgaaatcgg cgacggaacc accggcgtcg 420

tcgtcatggc cggcgcgctt ctcgagaagg ccgagcgcct tctcgagcgg cgaattcacc 480

cca   483

<210>   8827

<211> 462
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097c02d1

<400> 8827

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acaaaaacaa ctaatccata atgatcaata tcaaaagcat agcaattgca acaaaacaaa   120

aacacccaat tccgatacaa accgggccaa aatcttacat ttcaagtgag cgtacggact   180

gactacaaac aaaccaattg aaacaaaata ctatcaccaa ttcagcatct tgacgtataa   240

catgactgag tttaaaaata tcagtactca tatggggaaa tgacatcatc gattttcagt   300

atcatcttga caacttgagt agcaagtaag agctgttgct gctttccgat caaagtttcg   360

aagacatttt gctcacgcat gtcattagtg ccaacatcat tacaatcaat gccaaagtga   420

gggttattat cctttatttg ctgagactta acagcagata at                      462
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<210> 8828
<211> 590
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097c03a1

<400> 8828

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caggaagaaa tgccactaca ttccctgaaa ctgatactca aaaaactttg gtcgacaatt    60

ttgtgggaag aagtgcctct acaatccccg aaactgatga taaaaaaact ctggctgaca   120

atgatatggg aagaagtgcc actacagttc ctgaaactga tatccaaaaa actttgcttg   180

ataatgttac aggaagcaga gacagtgaaa acaattgct tgacactgtt acaggaggca   240

gcgacagaaa atctcaagta cgatcaaata aaccccagag aaagaaagag gtcaaagtac   300

ctatgcggtt atcaaagcga cttgctggcc ttgaacctga ggtagcgcct gctgaaagag   360

ctattgaata ttcgactaga aaatcatgca aagaagaacc aactgcgact gctactttaa   420

ctaatggagt gtctgaccat catgatgctg gggaagaaac taagcttact ccgcaagctt   480

ctgacagttt gaaaacagaa gtactaggag aatcattaaa ccagagtggg aagtcatgtg   540

atgcccaaac tggtgacaag gaacaattgc agaaagtgaa gctgaaaata               590
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3990

<210>   8829
<211>   89
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c03d1

<400>   8829

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggacgg   60

gaaataaggg gcggccggcc cctggaatt   89

<210>   8830
<211>   589
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c04a1

<400>   8830

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taaactttat gctattgagg tggggtcttc agagagaatt ctatcgttct catttgggaa   120

atgctgtctt agcagaggtg tttcaggcac tacatacatc cggcaagtga tttatgggga   180

agaccgttta ctcattgtgc agtcagaaga gactgatgaa ctcaaaatgc tacatcttaa   240

gcttccagtt tcttatattt cccaaaactg gcctgttcaa catgtggcag ctagccagga   300

tggcatgtac ttagctgttg ctggtcttca tggtttgata ttgtatgata tacgattgaa   360

aagatggaga gtatttggag atgttactca ggagcaaaag attcagtgta aaggtttgtt   420

atggctgggg aagattgtcg ttgtctgcaa ctatgttgat tcatcaaata cgtatgaatt   480

gctcttttac ccaagatatc accttgatca aagctcatta ctctgtcgaa aaccattgct   540

tgctaaacca atggtgatgg atgtgtacca agattatatg ctgcttaca   589

<210>   8831
<211>   247
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c04d1

<400>   8831

3991

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cgccaacata ccggggggtaa ttgtatatca actccacaca ttggtaacaa acgagaagaa     60

cattaatggg acaatagagt ttaacacaaa ccaaacttat tcgcaccgga actaccccac    120

ccatgagcca taacatttct tcttaaaacg cttgggaaaa tccgacatag actatcacac    180

ccaaatgccg ctccagctta aaacccctca cgaagacgct ccaccacgtg ccgagttgac    240

tcctttc                                                             247
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<210>     8832
<211>     397
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220097c05a1

<400>     8832
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ttgagatgct atgagaatcc aactgctgta tagtacaaac acccttgagg gaaagaaggg     60

ggtgacttgc cacaagaacc tttaagcaaa tctgcagcag ttggaggatt gagatgctat    120

gagaatccaa agaataagat tactgcaata cctgctgagg aagaggaaat ctggggtgca    180

ttcttcaagg cggaagggtc agcagtcctt gcaggcacag agtaaaagat tcattttcaa    240

atgaagtacc ttttgacggg gggaggcggg aatgtgctta tgtgcttgag acggcatagg    300

cttgcatgcg ggggccagta aaaaacctct catgataact atgagaagaa tgtgactggt    360

agtaaagtct atcatggggg tcattagcta ggatttc                            397
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<210>     8833
<211>     89
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220097c05d1

<400>     8833
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gtatccccgc cttgccagac taatccgggt cgacagctac tactacctgg tctccttttt     60

cttttatttt tatttatttt tatttaacc                                      89
```

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<210>     8834
<211>     400
<212>     DNA
<213>     Glycine max
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3992

<223>   Clone ID: jC-gmfl02220097c06a1

<400>   8834

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ggaagtctat caagctttta gggtttgttg ccttgtaaag gctcggagag tacatacacc   120

taggtggatt tgatagcggg gctttcgatg gaaaacatga tcataacagc tctattaagc   180

actttgcact cgatgactgg aggtggtatt gcctgactag gagtgtgcta cattggtatt   240

gcactgttca taactgcaca gattgctttc cagctacttg cacagcgtat ataccatatt   300

gagagagctt caaaaggaga gaagggaagc tgcaagaatg aacgttctgc ccgacactcc   360

atatgctgta ttcggattag tcattgcgca ggcaattggt   400

<210>   8835
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c06d1

<400>   8835

agggtttggg tttttcactt tcagcctctc cattccttca accttcttct tctctttgat   60

ctctgatgga gacgttccgt gtttagtagc aagggttagt tgaggccttg tgtttggaaa   120

cgtacggtgt cgttttggag ttgggaaaac aaataattct gagagatggc aaccacgaac   180

cctttttgatt tgttgggtga cgacgctgag gacccttctc agctcatcgc cgccgagcaa   240

ctcaaggcgg cggctgctgc tgcggctgcc accgccgctc ccaagaaggc gccggctcag   300

cagatcaagc cggctcagct ccctagcaag cctcttcctc cggctcaggc tgtgagggat   360

gccagaaatg agtctgttcg tggaggccgt ggaggtggac gaggtgtggg acgtggattt   420

ggacgtggtc gtgggtttag tcgtgactct ttcaatgacg agaactcat   469

<210>   8836
<211>   316
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c07a1

<400>   8836

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ggaaataact actgatttcc tggcgaagct tggagttagg agctctctct ctctaaggga    60

tagatccact cctcccccctt atttgcttgc agatgccatt ggggggtaact ctgctgctgc   120

ggctttagtt ctttttcatt tttatgtgcc aaaaaaagag tctctaactt acattacttc   180

cattgattca tagtttgtt tggcccttttt ttccttaatt tttttaaact ttaatgtgac   240

ttgttggata atatatggag tagagtttgg atttaaaaaa gactgaaata aagtaagctc   300

acataaatta aaaact                                                    316


<210>    8837
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<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220097c07d1

<400>    8837

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agggaaaacg ggccaaacaa aactatgaat caatggaagc catgttcgtt ggagactttt   120

tttttggcgc atcaaaatga aaaaaaacca aagccgcatc tgctagaatc cccccccaacg   180

gcatgtgcac tcaaattagg ggggggcgtg gattta                             216


<210>    8838
<211>    510
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220097c08a1

<400>    8838

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cgattattcc tcactcagat ccatagctct cacaatctcc gaaccacttt ttttcctctt   180

ccagatccga atcccggcgc gaaaatccgg gaagaacgaa cgaaccgttc accgttgata   240

catggattag catcacctcg atgaaaacct cttccacaag cgtctcacga aacgattcgt   300

tttcctcttc cacaaaatca ccaccatcac catcaccatc accatcatcg ttcagtccta   360

gggttagggt ttttttgctca gtacgacaga atgttcaaga aaatcatgaa aggcgggcac   420
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aagacgcccg ctaagtccga cgccagcgat ccggttccgc cgtcgtacgc cgnacgcaac 480

cgtagcgctc cggcggctcc cttcgtcaat   510

<210>   8839
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c11a1

<400>   8839

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ccaacgagct agttccgaca cagacaaagc aatggcaaag actgagttag aggtgactgt 180

tgagagcaag aacaaagaac taaagcacct gggaattgtg aggattgctg ctattcaaac 240

ttttgtgatt gtgtcaaatc tgtatgagta cgcaaagcag aattctgggc ctttgagatc 300

cgctgttgga acggttgaga acactgtaac caccgttctt ggtcctgtct gcaacaaatt 360

caaggacttc cctgatgatg tcctggttta tgttgacaaa aaggtggatg aaagcttcca 420

caagttcgat gagca   435

<210>   8840
<211>   288
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097c12a1

<400>   8840

ccgaaaaaaa aataaaaacc ccttgggccc aaaaagccct tttttaaaaa ccgggtttca   60

aaaaaccccc ctcccccccaa aaatcccccc tttttgaacc caaaacccgt tgggggggggg 120

cccttctggc ccaaaaaaaa ttttttttccc caaaacccat tttgaaagac cagggctcgt 180

ttttttttct caaaaaacaa ccggggggggg gcggaacccc cggttttttgg cccccctggg 240

aactggatca aaggcccccc cccgcccaaa aagggaaaaa aagggggtt   288

<210>   8841
<211>   544

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097d01a1

<400>   8841

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tccatggcag ccaaaacatc caccaacggc acccatcatt ctctacccga gtacattcca   120

aaccgcattc ctgacccaca ttatgtccgc atcctggaca ccacgcttcg cgatggcgag   180

caagcccctg gagctgccat gacgtccgat cagaagctcc aaattgctcg ccagctcgca   240

aagcttggtg tggatgtcat cgaagggggc ttcccttcag cgtcacagga agacttcaac   300

gctgtcaaga tgatagcgca agaagttggc aacaactgtg acgctgatgg ttatgttcct   360

gtcattgcgg ccctatgtag gtgcaatgag agggacataa cgagagcctg ggaggctctc   420

aagtatgcca agaggccaag gcttatgcct ttcatagcag tgagtccgat tcacatggag   480

tataagctca ataagactaa agaagaggtg cttcanatag ccactgatat gatcaaaatt   540

gcac   544

<210>   8842
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d01d1

<400>   8842

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cattctccaa taatatgttc catacttaaa aagataacaa agaaatcaca aatagcaagc   120

tgaatttata acttgaagtg tgaattctaa cattaggtg ctagaattct ttcgacaaat   180

acaaatcatt cctttgaatc gagcattttg tttagtgcag taatataagc ctctacactt   240

gaagtaacaa tatccactcc ttctccggta ccactaaatg ttggataaat aacgtttcca   300

ttcaaagcag gagtaggtga ctgcttattc tctctacgaa ttacaacacg tgtagtagca   360

attgcatcgg tgcctcctgt aactgtactt ggtgagtatt caagtacttt tacggtttcc   420

ttcactatga gattaatagc cttgtaagct gaatctactg gtcctaca   468

<210>   8843
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d02a1

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gggggcgggt cccactggga atggaggcgg agactgaaaa atcacgctct gatgggaagg   120

gttggagttt ttgtacaatg ccatttatgc gaacaactca cactccttgt tcttctacta   180

cttgcatgtc ttacatgcac aatgatcatc cgcgaaatca gaatcacttt caatttgttg   240

atagatccag tcatgattct caaccacag tttcatctat ggccaagtct ctgctcccta   300

cgaagaggag gctccatctt gatccttcca acaagctcta ctttgcatat gaacctggta   360

agcaagttaa gagtgcaatc gcaattaaaa acacttgcaa gtctcatgta cctttcaagt   420

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gtgacagtat tattgccacc gtattc   506

<210>   8844
<211>   443
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097d02d1

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cttcatagca actttctagg ccactcaacc acgtgagaca gatcagatca gtgagctagg   180

aattcaattt cagaacatac attgaagaaa attaagggct tgacccaaca aaaaggaaga   240

aagaaatgct ttacactgaa tcaacacctt ggacctgctg ttgagccaag tatctttctc   300

ttctttcttt ccattcatct ataacaaggc cctccccagc aacacaagga cctttctcct   360

ccagtggttt ctttcgcgct tcaagtgcag cgtcggcctc agccaacatt cgttaaagct   420

tatccaggac aggactaggc ttt   443

3997

<210>   8845
<211>   559
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097d03a1

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gcagacgctc gtctctctgg gcgttcgctc cgcgttcctc tcgccggtgg acgctctcca   120

cggcgacatt ggaatcctca ccaatcgcga tgtgctcatc ctcctcagca agtccggcgc   180

caccgaggag ctcctccgcc ttgtgccgtg tgcgagggcc aaaggcgcgc tcctcatcgc   240

gctcacctcc gttgaaggca acgcgctcgc cgcggcgtgc gacatgtccg tgcatttgcc   300

gctccagaga gagctctgtc cgttcaacct cgcgccggtg acatccaccg ctattcaaat   360

ggtgttcggc gacaccgtcg ccatcgcgct catggaggcg aggaatctca ccaaggagga   420

gtacgccgcg aaccatcccg ccggcaagat cgggaagagc ctcatcttca aggtgaagga   480

tgtgatgaag aaacaggacg agcttccaat ttgcagagaa tcggatttga ttatggatca   540

gctcgtggaa ctcacaact   559

<210>   8846
<211>   427
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097d03d1

<400>   8846

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tgtaggcgca attccccccca catgcaagcg catagagtgt cccagctatg atgtcattca   180

cgtaggcaac ggctacgaaa tccgtcgcta taattcaccc gtttggattt caaacagccc   240

cattcaggac atttctctcg ttgaagccac aagaaccggc ttcaggaggt tatttgacta   300

tattcaaggt aagaataact acaagcagaa gattgagatg acagcacctg tgatcagtga   360

agtattaccc agtgatggac ccttctgtga gtcctcattt gttgtgagct tctatgtgcc   420

<210>   8847
<211>   .   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d04a1

<400>   8847

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ccgtaggcat ggggatgcac caccaccgac ggtggcacca ccgcaaatga tgtattatta   180

cccgcaaggg tatgccccac aacccatgcc tcaccaaggt tacccaccag gttatgcccc   240

atacccctaat gagtaccatc aacaaccata ccattacccc gcaggtccct actttagcac   300

tccaccgacc tatcacaatg gtggcggaag caaagccttc attcgtggct tcataatgtg   360

ttcatgttta atattcacat gcctctttgt tgccacccct attatggcgc tagtgttgca   420

cccccaatta cccgtttata cgattaattc cttgtctgtg gcaaatttca acaccactca   480

attgttaacc gcaaattgga acactagcat catgatccat aacatcaaca ataggctaat   540

tggtttattt tc   552

<210>   8848
<211>   450
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097d05d1

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caacaaaatc ataagaaagg cttcactttc tccctcacat cacaattgga aaatcataag   120

acatcgttac atgataatat tagttaggtg attacatatg gtcgtgaagc ttcaaaagca   180

aaatctcctc cgactctgaa tttcaacgtg tatgcaacaa gaagttgctg aggaggtaac   240

tacaagcaac accacttaag caatttaact cacccccccta cccattgact aatactatac   300

atacaggggga taaattgccc aacacattca atctcataat aatgaagaaa tacatttgaa   360

aagacaagaa aaaaaaaaat ctttgatgag aagcacatgg ggtacacaat accatatgac   420

aatgacattg ctggtgtcac tatatttgca   450

<210>   8849
<211>   460
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220097d06a1

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gcaggcccgg ttcgggtttg caagaagaa agccgccgcc ccgaagaaag tttccagggg   180

gtcgggctct agctccgata ggcccctgtg gtatccgggc gccaaggcgc ccgagtacct   240

ggatgggagc cttgtcggag actacggatt cgacccattt gggctaggga agcccgccga   300

gtacctgcag ttcgagttgg actcgctgga ccagaacctt gcgaagaacg tggctgggga   360

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cgaggtgttc cggctgcaga ggttccgcga gtgcgagctc   460

<210>   8850
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220097d07a1

<400>   8850

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cagacatcta gagagaatga cgcacacaga gatgagaata aacgcggaat atacaatcat 120

gcgtggtgcc agttacatgt aacacatgaa cacaccaatt aacgcacatc atttttgaat 180

gttatcaagg ggccagatgg accaaaatgt aagttaacta tataagaaca ttccagaacc   240

caaaaatgag aaaactaatg ggatatccct gtgaagatag accaccggat gttgctgtat   300

gaatacatcc caagcgccat cacatataaa catctcttat acaaagaggt ctcaacaatg   360

gctcgttcac aaagactcaa aaaagcccaa catgctgaca gggggtttca aaaaaacata   420

4000